



52O02NE0011 W9630-000050 MATAPESATAKUN BAY

010

## REPORT ON DIAMOND DRILLING

### KOVAL PROPERTY

PATRICIA MINING DIVISION  
NORTHWESTERN ONTARIO

FOR  
MOSS RESOURCES INC.

NTS 52O/02, 52O/07

RECEIVED  
PATRICIA  
MINING DIVISION  
MAY 23 1996

May, 1996

T.S. Jolliffe, B.Sc.(Eng.)

 T.S.J. Consultants Ltd.

W9630.00050



52002NE0011 W9630-000050 MATAPESATAKUN BAY

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## 1.0 SUMMARY

A diamond drilling program totaling 2,652 feet (808.3m) in eight boreholes was carried out on the Koval Property in early 1996. The property comprises 62 patented and unpatented claims (approximately 3,600 acres) located southwest of Pickle Lake, Ontario.

Since 1953, several exploration programs have been carried out on the central portion of the property, including trenching, geological mapping, ground magnetometer, I.P. and VLF-EM surveys and four previous diamond drilling programs (totaling approximately 43,000 feet). Several zones of gold mineralization have been outlined.

The area of the property is underlain by a west-southwest trending, sub-vertically dipping assemblage of metavolcanics and metasediments with minor intrusive rocks. A schistose carbonate-altered intermediate volcanic or volcanoclastic unit hosts all significant gold zones on the property.

The 1996 drilling program was limited in scope. Five drillholes (H-96-1 to -3; H-96-5, H-96-6) tested for possible extensions to two of the known gold zones. The mineralization intersected in these boreholes was characterized by narrow widths and/or low grades. The best intersection, in H-96-2, was 0.260 ounces gold per ton over 3.0 ft. (0.089 ounces per ton over 11.0 ft.). The other drillholes in the program (H-96-4, H-96-7 and H-96-8) were exploratory and did not intersect any significant gold mineralization.

The total cost of the drilling program was \$137,663.99.

Additional surface exploration and diamond drilling are recommended for the property.

## 2.0 INTRODUCTION

The Koval Property is located about 22 miles (35 km) southwest of Pickle Lake, Ontario (**Figure No. 1**). A diamond drilling program totaling 2,652 feet (808.3m) was carried out on the property from January 29<sup>th</sup> to February 14<sup>th</sup>, 1996, under the supervision of T.S.J. Consultants Ltd. of Toronto, Ont.

This report is a description of the 1996 drilling program and results. The author supervised the drilling on-site and logged the drill core.

## 3.0 PROPERTY DESCRIPTION

The Koval Property consists of the Koval group of 28 contiguous patented claims and the Joval group of 30 unpatented claims, both held by Moss Resources Inc. under option from Barrick Gold Inc., as well as the Southeast claim block of 4 claims wholly owned by Moss Resources Inc., for a total of approximately 3,600 acres (**Figure No. 2**). The property is located within the Patricia Mining Division in Northwestern Ontario. The claims are shown on the Ontario Ministry of Natural Resources Claim Maps: Caley Lake (G-1975) and Matapesatakun Bay (G-2117).

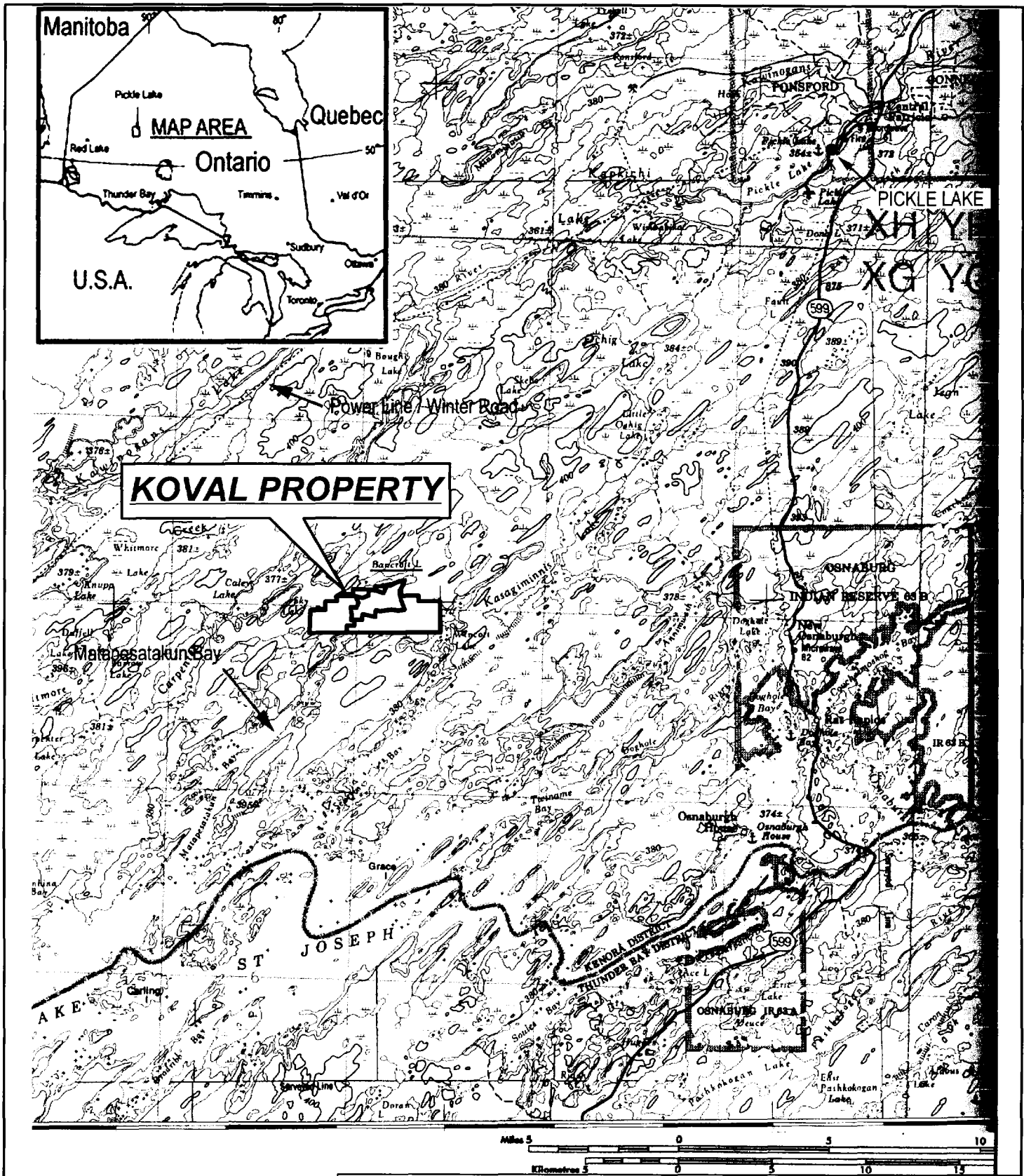
The claim numbers are as follows:

<u>CLAIM GROUPS</u>	<u>CLAIM NUMBERS</u>	<u>NO.</u>
Koval Group	Pa 14352 - Pa 14377	26*
	Pa 14380 - Pa 14381	2*
Joval Group	Pa 1147839 - Pa 1147840	2
	Pa 1147847 - Pa 1147848	2
	Pa 1153473 - Pa 1153477	5
	Pa 1153479 - Pa 1153492	14
	Pa 1164559	1
	Pa 1164562 - Pa 1164564	3
	Pa 1164583 - Pa 1164584	2
	Pa 1164593	1
Southeast Group	Pa 1162901 - Pa 1162904	4

\* patented

## 4.0 LOCATION, ACCESS AND SERVICES

The Koval Property (Lat. 51°15'N, Long. 90°33'W; NTS 52O/02 and 52O/07) is located north of Lake St. Joseph, 22 miles southwest of Pickle Lake and about 215 miles (345 km) north-northwest of Thunder Bay, Ontario. (**Figure No. 1**). It lies approximately 14 miles west of Highway



Moss Resources Inc.

**Koval Project  
LOCATION MAP**

T.S.J. Consultants Ltd.

Drawn By: TSJ

April 1996

Scale: As Shown

Figure 1



599, a paved all-weather road linking Pickle Lake to Ignace on the Trans-Canada Highway. A power line and winter road pass about 8 miles to the northwest of the property.

Access is by fixed wing aircraft or helicopter from Pickle Lake or by boat via Matapesatakun Bay on Lake St. Joseph.

Groceries and most supplies can be obtained in the town of Pickle Lake, which is serviced by road and air.

## **5.0 PHYSIOGRAPHY AND VEGETATION**

Drainage of the property area is southward via Matapesatakun Creek from Bancroft Lake to Lake St. Joseph, 1,227ft. (374 m) above sea level. Maximum relief is in the order of 115ft. (35m) with the highest elevations on southwest trending drumlins in the southwestern portions of the property. Most of the area is overburden covered with low swamps and boulder tills which probably average less than 20 feet in thickness. Outcrop is more common (25%) in the central portion of the property.

## **6.0 PREVIOUS WORK**

The first recorded exploration work on the Koval Property, by Hasaga Gold Mines Ltd. in 1953 and 1954, consisted of extensive trenching on the surface gold showings in the central portion of the property, line-cutting and approximately 21,000 feet of diamond drilling, in 88 X-Ray ('X' series) and EX drillholes ('E' series), outlining several gold zones (**Figure No. 4**).

In 1960, the 28 Koval claims were surveyed and patented.

The claims were acquired by Little Long Lac Gold Mines and in 1974 and 1975 a new exploration program was carried out, consisting of line-cutting on a new grid, geological mapping, an I.P. survey (200 foot dipole spacing), a magnetometer survey and diamond drilling totaling 5,042 feet in 13 holes ('L' series).

In 1986, the Koval claims were remapped and geophysical surveys (VLF-EM, magnetometer, limited I.P. using 100 foot dipole spacing) were completed, followed by a 24 hole diamond drilling program totaling 16,919 feet ('K' series) in 1987 and 1988.

To the west, on ground now part of the Joval claims, Golden Maverick Resources Corp. carried out airborne and ground geophysical surveys, geological mapping and limited diamond drilling ('BL' series) between 1984 and 1988.

In 1994, hydraulic stripping and channel sampling were carried out on the 'A' gold showing by Clark-Eveleigh Consulting for Barrick Gold Corp.

## **7.0 REGIONAL GEOLOGY AND ECONOMIC MINERALIZATION**

The Koval Property is located within the Uchi Subprovince, a part of the Superior Province in the Canadian Shield. The area is characterized by several arcuate, highly deformed and coalescing greenstone belts, consisting of predominantly mafic to intermediate volcanic flows, which have been intruded by numerous granitic to ultramafic intrusive bodies. (Figure No. 3). The metamorphic grade ranges from greenschist to amphibolite facies. The volcanics host subordinate amounts of felsic to mafic pyroclastics, sediments and iron formation. Felsic quartz-feldspar porphyry dykes are commonly found in all lithologies.

Historically, gold production in the Pickle Lake area has been from structurally controlled vein type deposits or sulphide replacement bodies spatially associated with, or contained within, bands of Algoman (chert-magnetite) iron formation. The most important of these were the former producing Pickle Crow and Central Patricia mines (operated from 1935 to 1966 and 1934 to 1951, respectively) which collectively producing 2,068,020 ounces of gold from 4,966,820 tons of ore for an average grade of 0.416 ounces of gold per ton.

The Golden Patricia Mine of Barrick Gold Inc. (~70,000 ounces gold per year) is located about 25 miles west-northwest of the Koval Property. The gold mineralization occurs in a quartz vein at a contact between a mylonitized unit and sheared mafic volcanics in close proximity to banded iron formation

Ultramafic rocks host copper-nickel mineralization at the former producing Thierry Mine, seven miles northwest of Pickle Lake, with mined ore and mineral reserves totaling 14,000,000 tons grading 1.6% copper and 0.2% nickel.

## **8.0 PROPERTY GEOLOGY**

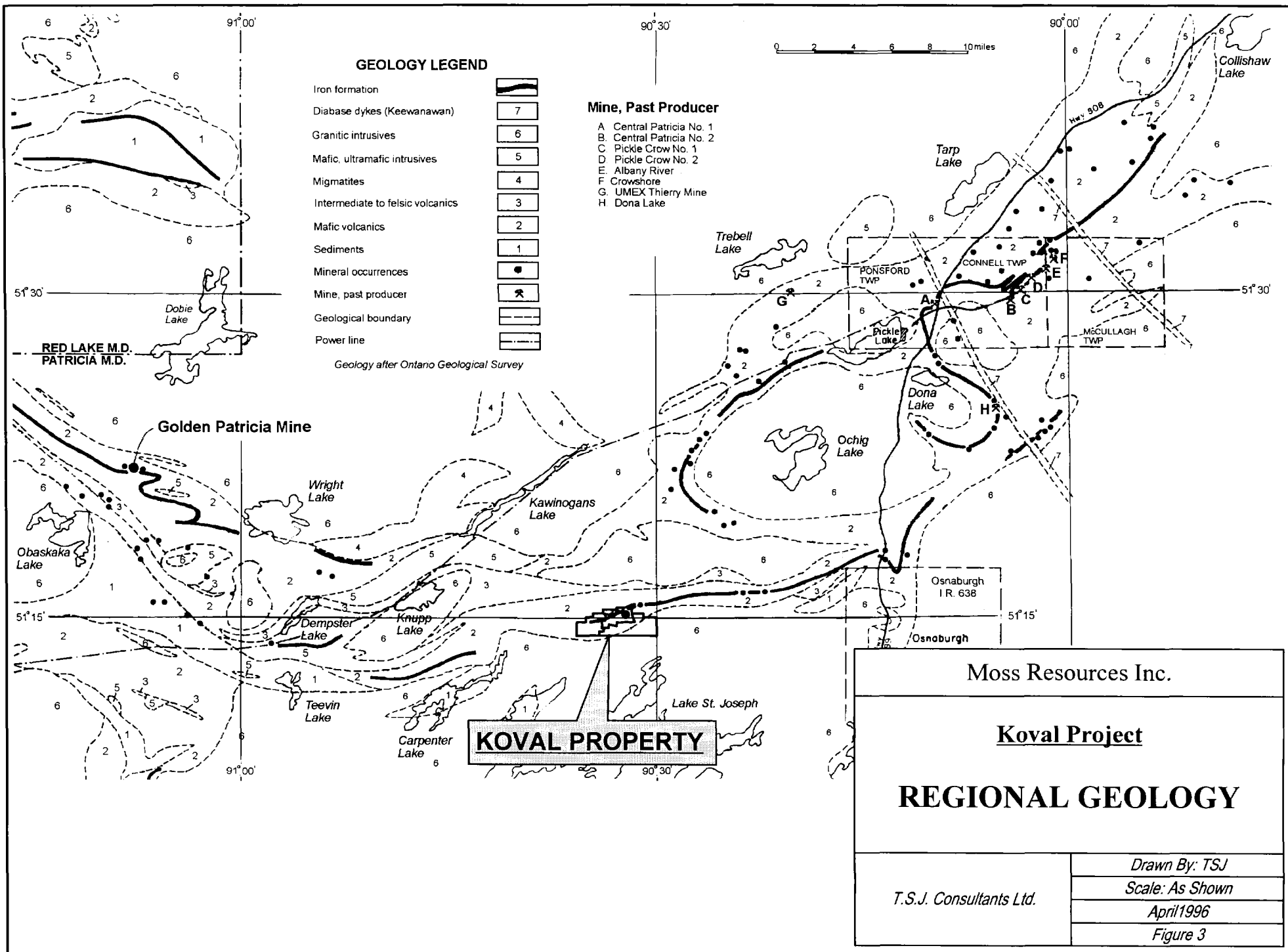
The central portion of the Koval Property (Figure No. 4) on the patented Koval claims is the area of most abundant outcrop and has been mapped at a 1:2400 scale. The area is underlain by a west-southwest trending, vertical- to steeply south-dipping assemblage of metavolcanics and meta-sediments with minor intrusive rocks.

The northern 1/3 is dominated by mafic volcanics, mainly massive flows with some pillowed flows and tuffs, along with minor chemical sediments (oxide facies iron formation) and felsic volcanics. A gabbroic intrusive in the north-central area has been roughly outlined by limited outcrop exposure and the magnetometer survey. Feldspar porphyry dykes and sills outcrop locally and granitic intrusives have been intersected in drilling.

South of the thick northern mafic volcanic unit are intermittently exposed fine clastic meta-sediments (mainly argillite, siltstone) and felsic volcanics.

The central area is underlain by the 'Central Intermediate-Mafic Volcanic' (CIMV) assemblage comprising intermediate volcanoclastic(?) rocks enclosed by mafic volcanics to the north (massive flows and tuffs) and south (massive and pillowed flows with pillow breccia) as well as minor intercalated fine clastic metasediments and felsic volcanics. The intermediate volcanic hosts all significant gold zones on the property. On surface it is characterized by a biotite-calcite matrix and a scalloped weathering pattern. Primary textures are unclear but possible lapilli have been noted locally.





Much of the southern part of the area is underlain by fine clastic metasediments, mainly siltstone with lesser wacke and argillite. Felsic volcanics with up to 10% quartz 'eyes' are exposed to the southwest and massive mafic volcanics are locally interbanded with the metasediments. Very minor chert bands have also been observed. These rocks are bounded to the south by a thick unit of predominant mafic volcanics.

## 9.0 DIAMOND DRILLING PROGRAM

### 9.1 Description of Program

Drilling was carried out by Langley Drilling of Brampton, Ontario, using one JKS 300 drill (BQ core). Moves between holes were carried out with a Bell 206 helicopter. Total drill footage (including one aborted drillhole, H-96-8a, which was abandoned in overburden at 60 feet), was 2,652 feet (808.3m).

Boreholes H-96-1 to H-96-3 (azimuth 340°; inclination -50°) were drilled to test for extensions to the mineralized zone previously intersected in drillhole K-87-13. Borehole H-96-4 (azimuth 000°; inclination -50°) was drilled to test for possible gold-associated deformation and sulphidization of iron formation, suggested by disruptions in magnetic trends and a VLF anomaly. Boreholes H-96-5 and H-96-6 (azimuth 340°; inclination -50°) were drilled to test for down-plunge and lateral extensions of Zone 'D'. Borehole H-96-7 (azimuth 340°; inclination -50°) was drilled to test weak I.P., VLF and magnetic anomalies possibly related to gold-associated sulphide mineralization. Borehole H-96-8 (azimuth 340°; inclination -50°) was drilled to test the western portion of the central intermediate volcanic for additional gold zones.

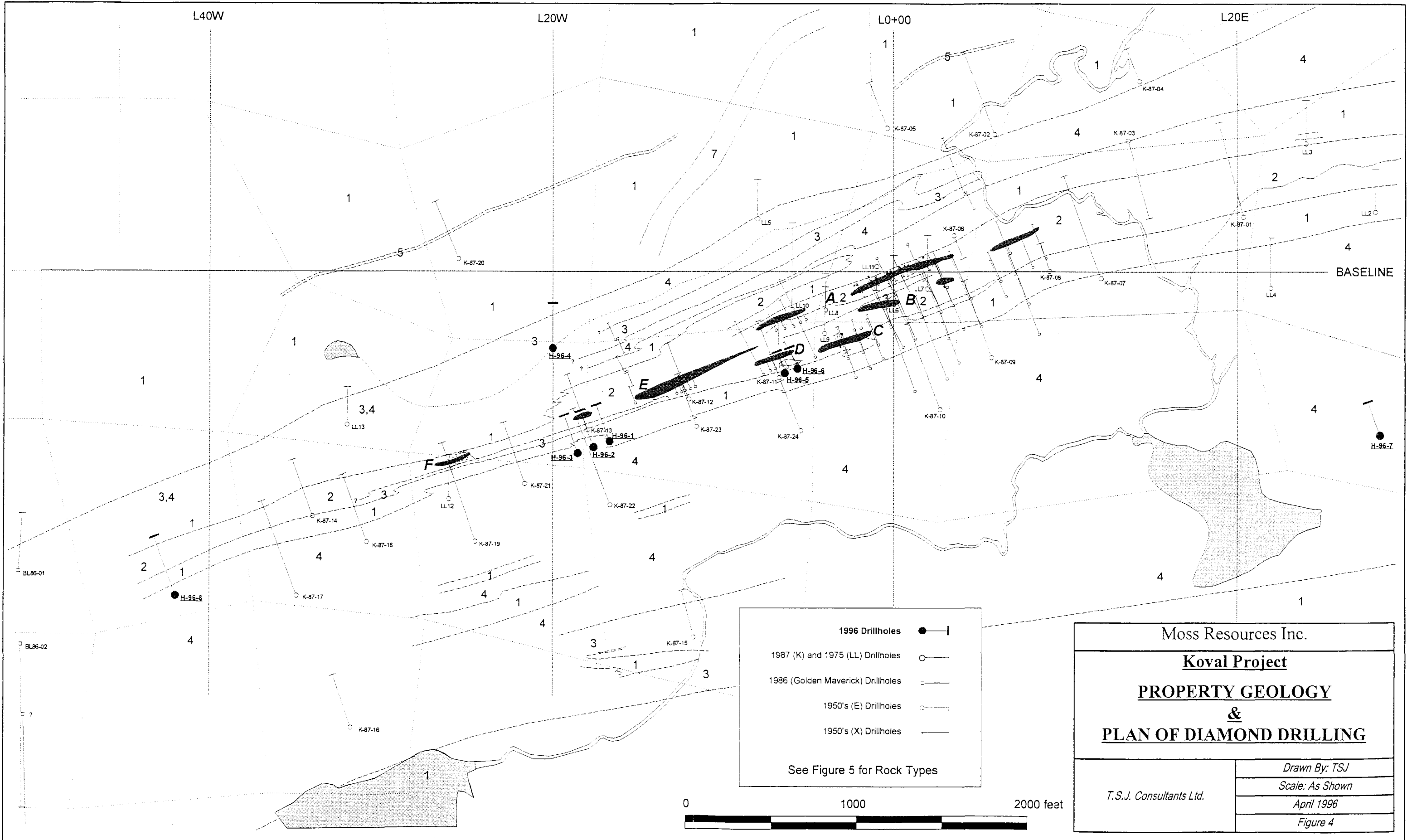
In total, 350 samples (64.6% of the total cored footage) were shipped to Accurassay Laboratories Ltd., Thunder Bay, Ontario, for gold analysis. Samples were crushed to -10 mesh, then a 250gm to 400gm portion was pulverized to -150 mesh or better and matted. A 1 or ½ A.T. portion was analyzed (5 ppb Au detection limit) using fire assay, finished by atomic absorption spectroscopy. The reagent was aqua regia. Six of the samples were checked by gold metallica assay. Nine samples were also analyzed for antimony and one sample for silver.

Drillhole locations are shown on the Plan of Diamond Drilling (**Figure No. 4**). The legend and drillhole sections are shown in Appendix A. The log for each drillhole is included in Appendix B and all analytical certificates are compiled in Appendix C.

### 9.2 Discussion of Results

A summary of the diamond drilling results is given in Table I.

Drillholes H-96-1, H-96-2, H-96-3, H-96-5 and H-96-6 intersected gold mineralization within the CIMV unit. The host rock is a brownish-grey, strongly foliated calcareous feldspar-biotite-quartz schist distinctively streaked/banded by anastomosing brownish biotite-rich seams and light whitish-grey calcite-rich lenses/bands which may be highly stretched lapilli fragments. It has the appearance of a deformation zone which has overprinted the original intermediate (and mafic?) volcanic rocks through shearing, carbonate alteration, biotite alteration of actinolite-chlorite, ± silicification and incipient sericitization. The host rock contains ubiquitous sulphides (0.5% to 5%) in fine-grained



Moss Resources Inc.	
<b>Koval Project</b>	
<b>PROPERTY GEOLOGY</b>	
<b>&amp;</b>	
<b>PLAN OF DIAMOND DRILLING</b>	
T.S.J. Consultants Ltd.	Drawn By: TSJ
	Scale: As Shown
	April 1996
	Figure 4

1996 Drillholes	●
1987 (K) and 1975 (LL) Drillholes	○
1986 (Golden Maverick) Drillholes	---
1950's (E) Drillholes	⋯
1950's (X) Drillholes	—
See Figure 5 for Rock Types	

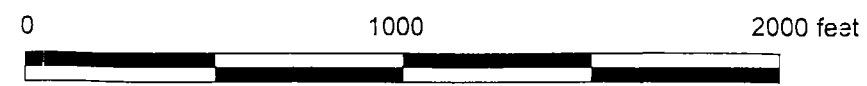


TABLE I: SUMMARY OF DIAMOND DRILLING RESULTS

DRILLHOLE NO.	INTERSECTION (FEET)	INTERVAL (FEET)	ASSAY Au (Oz/Ton)	SAMPLE DESCRIPTIONS & REMARKS
H-96-1	275.4 - 278.0 (275.4 - 281.0)	2.6 5.6	0.092 0.059	Intermediate Metavolcanics: 1% to 4% sulphides (pyrite, pyrrhotite, & arsenopyrite) disseminated and in very fine-grained bands & lenses; calcareous biotite-rich schist (probably tuff & lapilli-tuff) — sheared? silicified?
H-96-2	244.5 - 247.5 (241.5 - 252.5)	3.0 11.0	0.260 0.089	Intermediate Metavolcanics: visible gold; 2% to 5% sulphides (arsenopyrite, pyrite ± pyrrhotite & rare chalcocopyrite) in very fine-grained bands/lenses and disseminated, as well as in aggregates associated with quartz (± calcite, chlorite, biotite, tourmaline?) veinlets; calcareous biotite-rich schist (probably tuff & lapilli-tuff) — sheared? silicified?
H-96-3	308.6 - 312.8	4.2	0.047	Intermediate to Mafic Metavolcanic: 0.5% to 1% disseminated sulphides (pyrite, pyrrhotite ± arsenopyrite); calcareous biotite-rich schist (probably tuff) — sheared? silicified?; interval includes 0.3' possible fault with quartz veinlets along contacts
H-96-4	152.6 - 164.8	12.2	0.010	Felsic Metavolcanic: with minor to semi-massive pyrrhotite +pyrite
H-96-5	156.3 - 160.3	4.0	0.068	Intermediate to Mafic Metavolcanic: 3% to 6% pyrite+pyrrhotite in sulphide-rich lenses (lapilli?), disseminated and in aggregates (locally remobilized?) associated with up to 15% brecciated/boudinaged quartz+calcite veinlets; calcareous biotite-rich schist (probably lapilli-tuff)
H-96-6	124.8 - 129.3	4.5	0.035	Intermediate Lapilli-Tuff: 2% - 5% pyrite+pyrrhotite +arsenopyrite in very fine-grained sulphide-rich lenses, disseminated and in coarser aggregates associated with up to 15% quartz+calcite veinlets; calcareous, biotite-rich, schistose
H-96-7	287.2 - 295.4	8.2	0.014	Siltstone/argillite: with 0.5% to 3% pyrrhotite+pyrite; brecciated in parts
H-96-8	371.0 - 379.0	8.0	0.012	Intermediate Lapilli-Tuff: 0.5% - 3% pyrite+pyrrhotite +arsenopyrite (+ stibnite?) in very fine-grained sulphide-rich lenses, disseminated and in coarser aggregates; calcareous, biotite-rich, schistose

disseminations and aggregates of pyrite + pyrrhotite ± arsenopyrite along foliation planes, in narrow sulphide-rich lenses/bands (lapilli?) and in coarser grained concentrations associated with quartz-calcite veinlets. Arsenopyrite occurs mainly as extremely fine-grained 'dustings' in the form of hair-line streaks and narrow arsenopyrite-rich siliceous lenses and bands. Higher concentrations of pyrite and pyrrhotite and the presence of significant arsenopyrite may be favorable for the presence of gold. The higher sulphide concentrations appear to occur in intervals containing coarser lapilli fragments but deformation has obscured much of the primary volcanic fabric.

Drillholes H-96-1 to H-96-3 (Figure Nos. 6 - 8) intersected continuations of the gold zone previously intersected in drillhole K-87-13 but narrower widths and lower grades of gold mineralization were encountered, most notably in drillhole H-96-2. The mineralized zone in hole H-96-3 terminates at a possible fault.

Drillholes H-96-5 and H-96-6 (Figure Nos. 9 & 10) intersected gold zone 'D'. It was hoped that the drillholes would confirm an eastward plunge in the higher grade mineralization but only narrow, low-grade zones were encountered.

Drillhole H-96-4 (Figure No. 11) intersected a VLF-EM conductor caused by a narrow interval of locally remobilized semi-massive pyrrhotite + pyrite with minor gold values. No iron formation was intersected, possibly due to the presence of a granitoid intrusive.

Drillhole H-96-7 (Figure No. 12) intersected fine clastic metasediments with ubiquitous (0.5% to 4%) pyrrhotite and pyrite. The sulphides appear to be the source of the weak I.P. and magnetic anomalies.

Drillhole H-96-8 (Figure No. 13) tested the western portion of the central intermediate volcanic unit. The host rock and sulphides (trace to 5% pyrite + pyrrhotite ± arsenopyrite) appear similar to the intersections in drillholes H-96-1 to H-96-3 but no significant gold zone was encountered. A narrow (<0.2") irregular auriferous quartz veinlet was intersected in a mafic volcanic rock near the bottom of the drillhole.

### 9.3 Costs

Diamond Drilling.....	\$119,906.76
Analytical Costs.....	\$4,956.24
Report Preparation.....	\$7276.00
Project Supervision.....	\$5,524.99
Total Cost:	<u>\$137,663.99</u>

## 10.0 CONCLUSIONS AND RECOMMENDATIONS

The close-spaced drillholes (H-96-1, H-96-2, and H-96-3; H-96-5 and H-96-6) aimed at extending two of the known gold zones intersected generally low grades and/or narrow widths of gold

mineralization. The exploratory drillholes (H-96-4, H-96-7 and H-96-8) did not intersect any significant gold mineralization.

The drilling results are not encouraging but the present program has been limited in scope and further exploration is warranted. The controlling factors —stratigraphic, structural, lithologic and/or geochemical — affecting the emplacement and tenor of gold mineralization on the property are not well understood. This has made it difficult to judge the significance or 'zone of influence' for individual intersections and, in turn, the extent to which the known gold zones have been drill delimited or the chance of discovering new zones exhausted.

The following work is recommended:

- additional hydraulic stripping, channel sampling and detailed geological mapping over exposed gold zones to clarify the controls on gold mineralization;
- further limited close-spaced step-out drilling to test for extensions to known gold zones and evaluate the reliability of previous drilling results both within and at the inferred limits of these zones.

Respectfully submitted,

-----  
T. S. Jolliffe, B.Sc.(Eng.)

Geologist

## 11.0 REFERENCES

Bradbrook, C.J., 1987. Koval project Summary Report, 1986; unpublished company report.

Casey, J.W., 1975. Koval Project; unpublished company report.

Clark, J.G., 1995. Report on the Stripping and Sampling of the Koval Property; unpublished report.

McIlveen, D., 1987. Report on Spring 1987 drill programme; unpublished company report.

Motzok, G.A., 1988. Summary Report Koval Property; unpublished company report.

Stott, G.M., 1986. Precambrian Geology of the Muskegsagagen / Bancroft Lakes area, District of Kenora (Patricia Portion); Ont. Geol. Surv., Map P.3049, Geological Series - Preliminary Map, scale 1:50 000, Geology 1984.

APPENDIX A

LEGEND AND DIAMOND DRILLHOLE SECTIONS



## ROCK TYPES

### 8. FELSIC & INTERMEDIATE INTRUSIVE ROCKS

- 8a Granite
- 8b Granodiorite
- 8c Diorite dykes/sills

### 7. MAFIC & ULTRAMAFIC INTRUSIVE ROCKS

- 7a Gabbro
- 7d Mafic dykes/sills

### 6. FELSIC SUB-VOLCANIC INTRUSIVE ROCKS

- 6a Quartz-feldspar porphyry
- 6b Quartz porphyry
- 6c Feldspar porphyry

### 5. CHEMICAL METASEDIMENTARY ROCKS

- 5a Chert

### 4. CLASTIC METASEDIMENTARY ROCKS

- 4c Wacke
- 4d Siltstone
- 4e Argillite, Mudstone

### 3. FELSIC METAVOLCANIC ROCKS

- 3a Massive flow
- 3f Tuff
- 3g Lapilli-tuff
- 3i Sericite schist

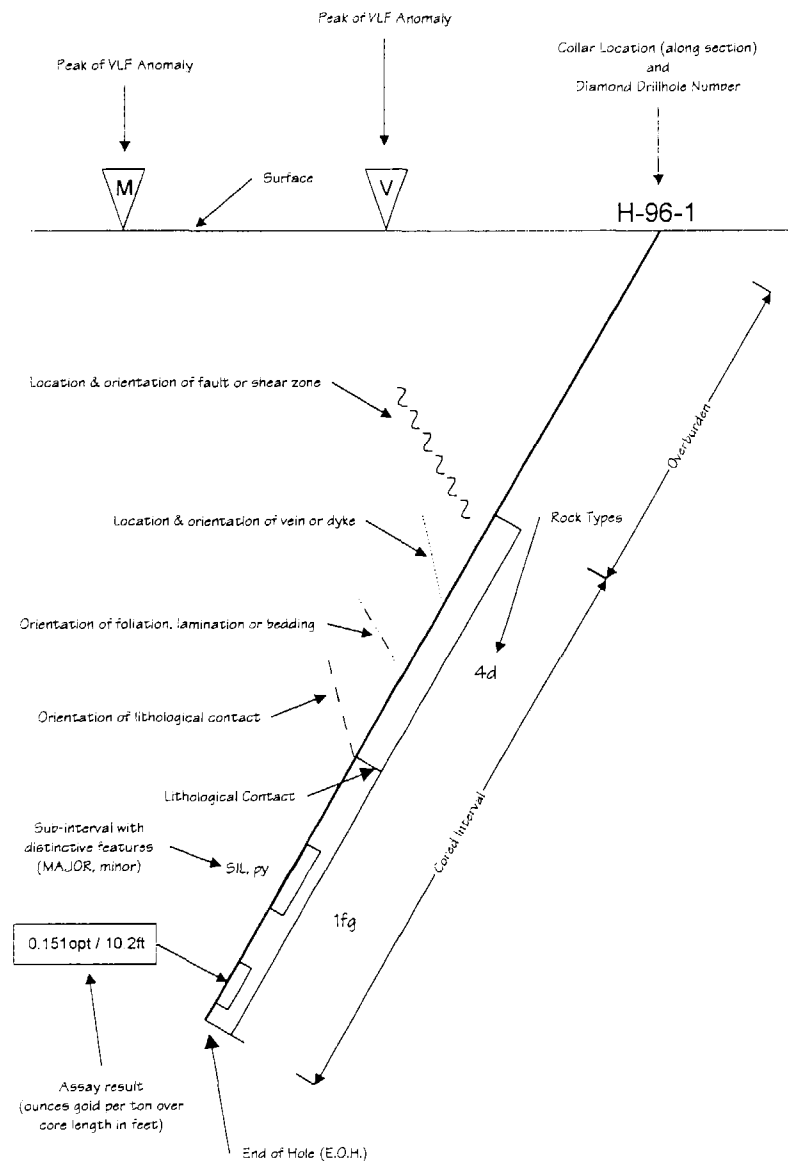
### 2. INTERMEDIATE METAVOLCANIC ROCKS

- 2a Massive flow
- 1b Amygdaloidal flow
- 1c Plagiophyric flow
- 1d Pillowed flow, Pillow breccia
- 1f Tuff
- 1g Lapilli-tuff
- 1h Tuff-breccia
- 2i Biotite-quartz-feldspar-calcite schist

### 1. MAFIC METAVOLCANIC ROCKS

- 1a Massive flow
- 1b Amygdaloidal flow
- 1c Plagiophyric flow
- 1d Pillowed flow, Pillow breccia
- 1f Tuff
- 1g Lapilli-tuff
- 1h Tuff-breccia
- 1i Chlorite/amphibole schist

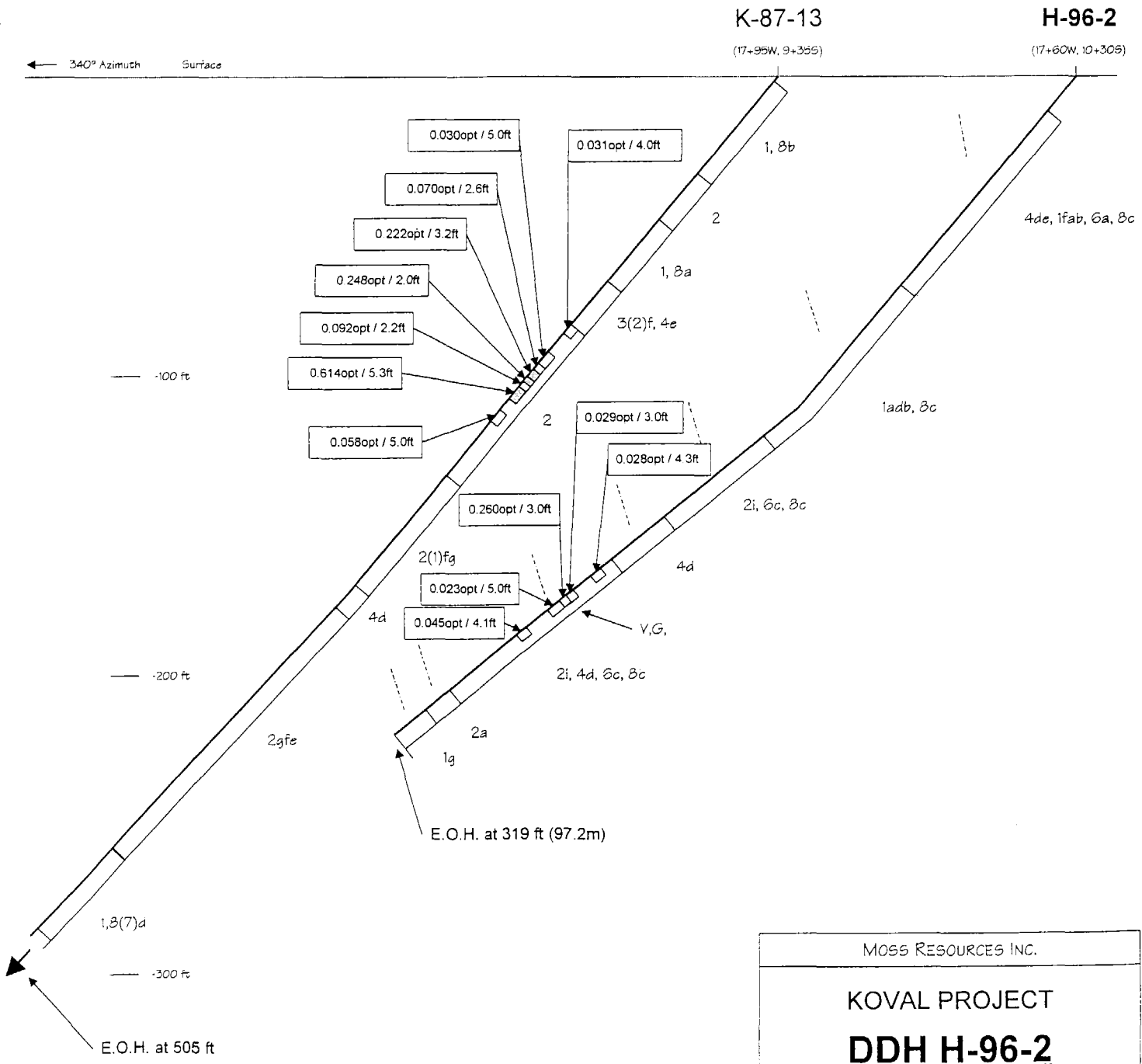
## SYMBOLS



## ABBREVIATIONS

E.O.H.	End of Hole
v.G.	Visible Gold
qcv	Quartz-Calcite Vein(s)
bx	Brecciation
bio	Biotite Alteration
ca	Carbonate Alteration
chl	Chlorite Alteration
ser	Sericite Alteration
sil	Silicification
asp	Arsenopyrite
cp	Chalcopyrite
mt	Magnetite
py	Pyrite
po	Pyrrhotite
sb	Stibnite

MOSS RESOURCES INC		
<b>KOVAL PROJECT</b>		
<b>LEGEND</b>		
<b>FOR</b>		
<b>DIAMOND DRILLHOLE</b>		
<b>SECTIONS</b>		
<b>TSJ CONSULTANTS LTD.</b>	Drawn By :	T.S.J.
	Date :	April 1996
	Scale :	
	Figure No. :	5



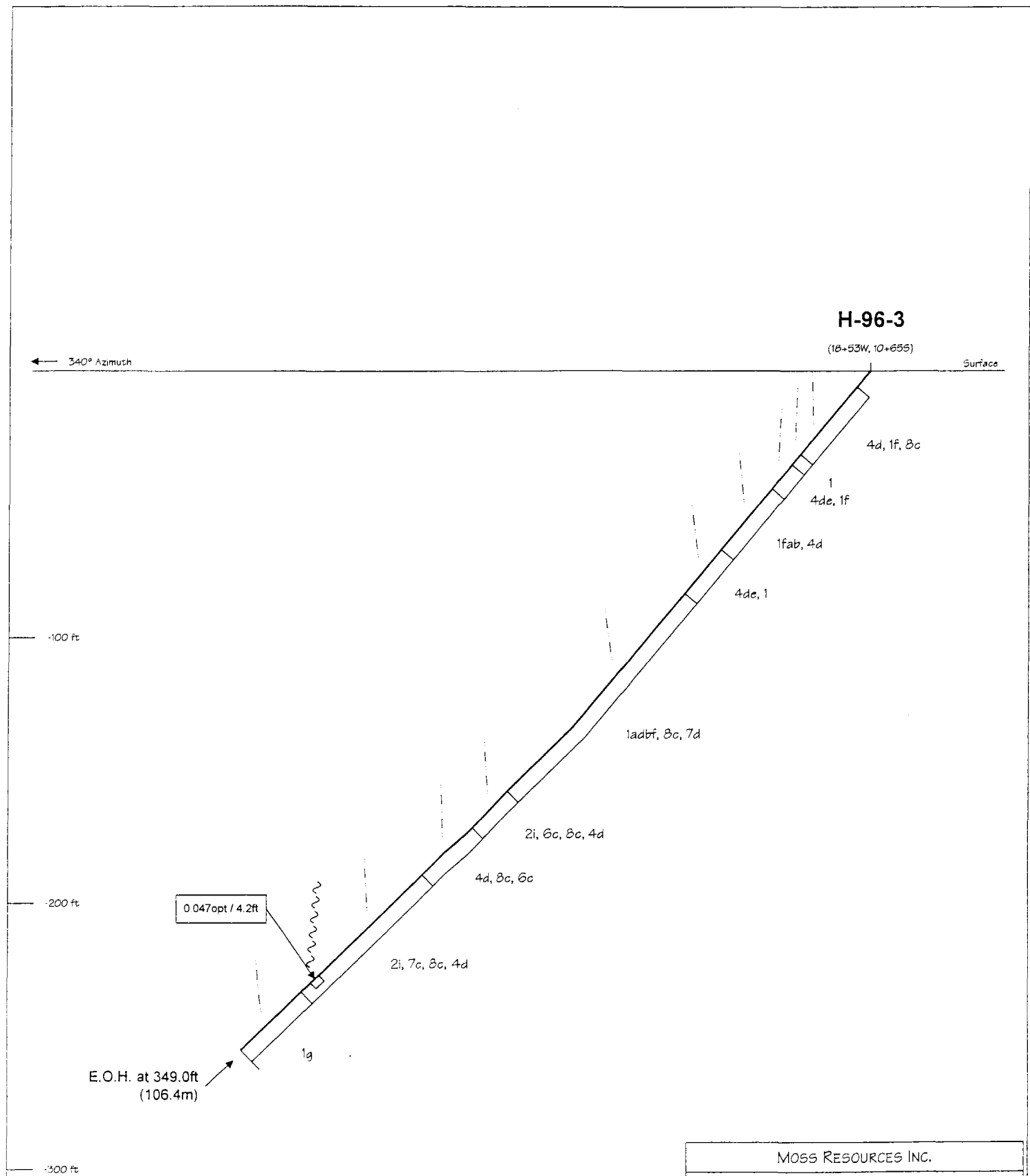
MOSS RESOURCES INC.

**KOVAL PROJECT**

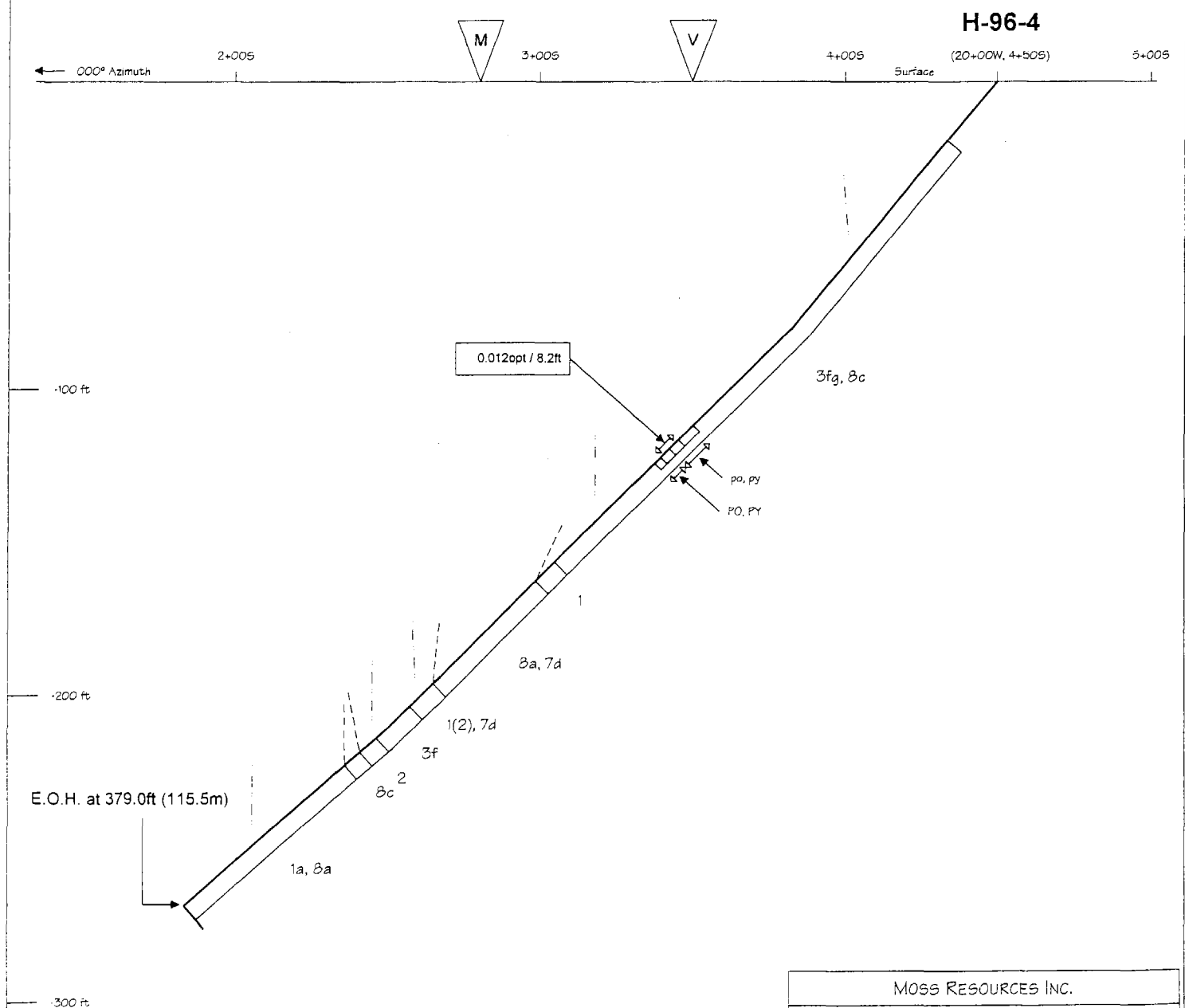
**DDH H-96-2**

(looking east-northeast)

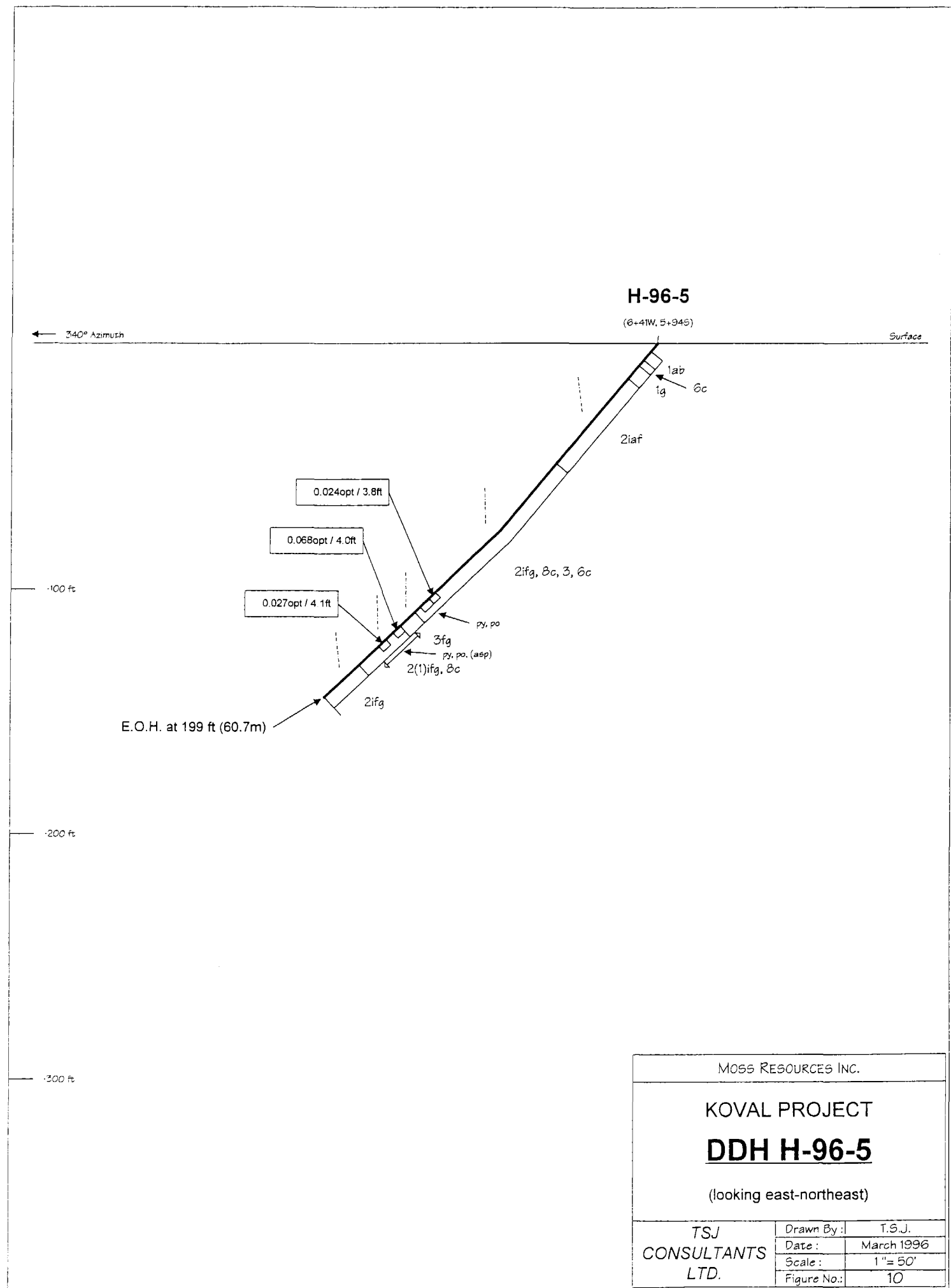
TSJ CONSULTANTS LTD.	Drawn By:	T.S.J.
	Date:	March 1996
	Scale:	1" = 50'
	Figure No.:	7



MOSS RESOURCES INC.	
KOVAL PROJECT	
<b>DDH H-96-3</b>	
(looking east-northeast)	
TSJ CONSULTANTS LTD.	Drawn By: T.S.J.
	Date: March 1996
	Scale: 1" = 50'
	Figure No.: 8



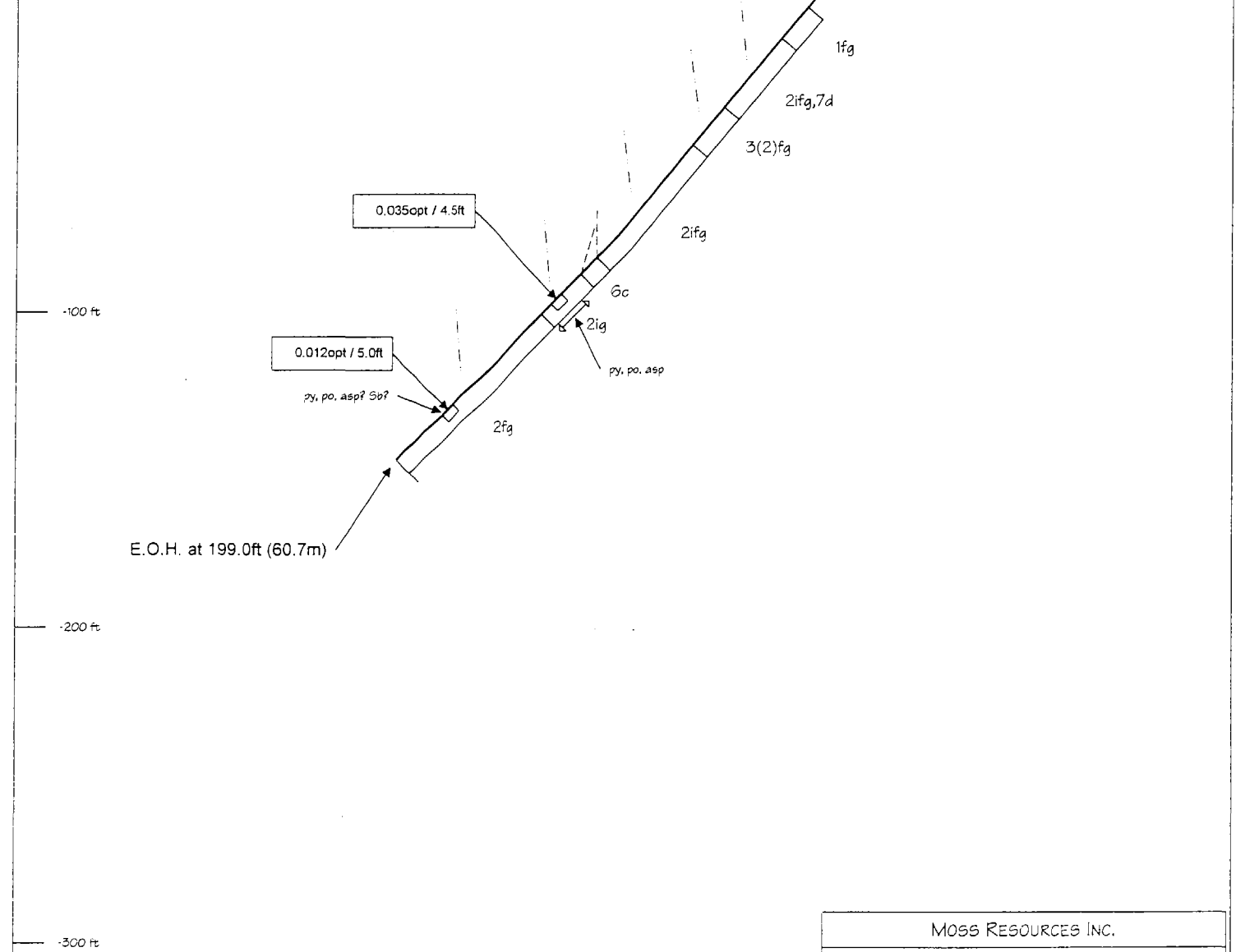
MOSS RESOURCES INC.	
<b>KOVAL PROJECT</b> <b>DDH H-96-4</b> (looking east)	
TSJ CONSULTANTS LTD.	Drawn By: T.S.J.
	Date: March 1996
	Scale: 1" = 50'
	Figure No.: 9



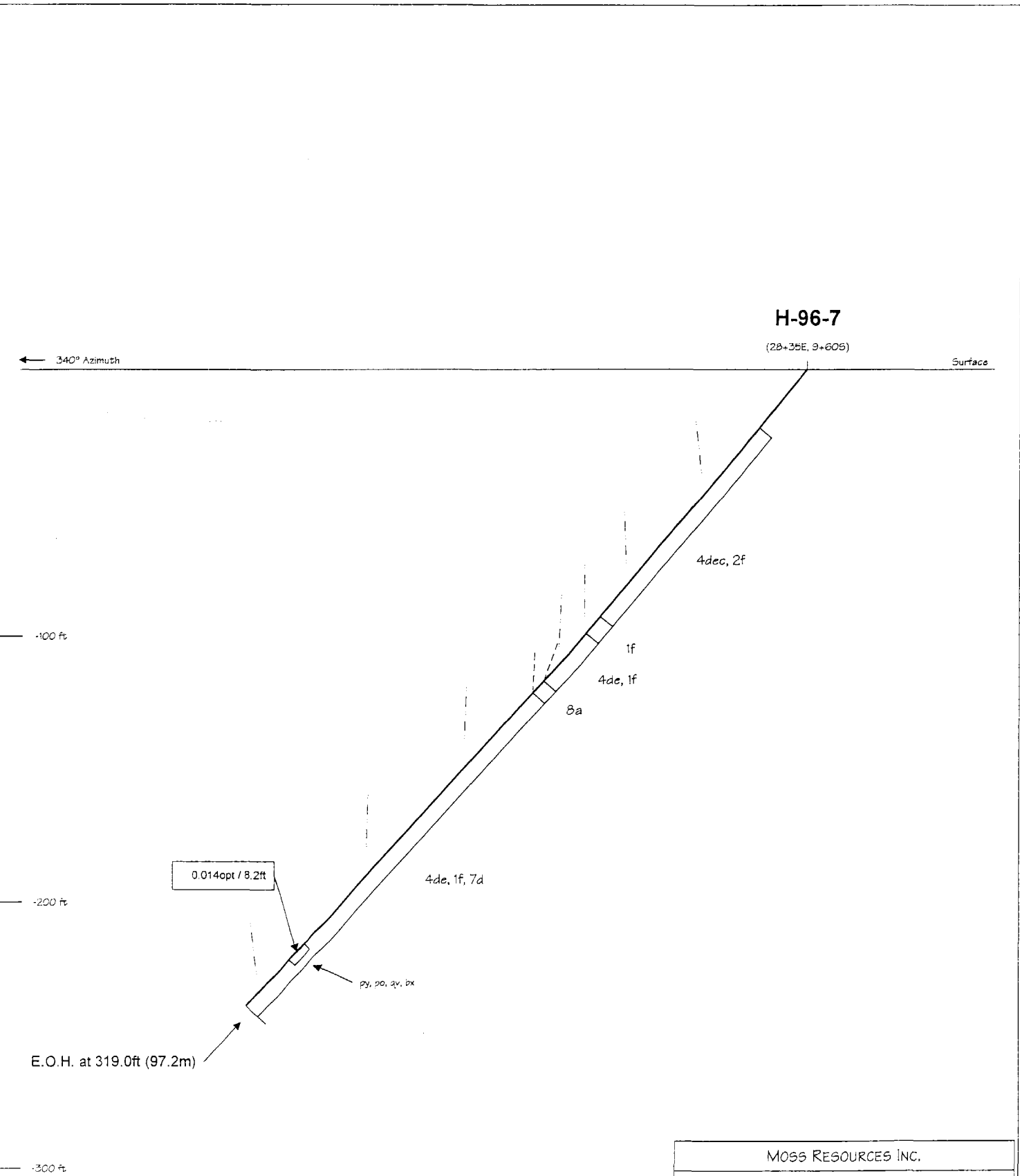
**H-96-6**

(5+68W, 5+68S)

← 340° Azimuth Surface



MOSS RESOURCES INC.	
KOVAL PROJECT	
<b>DDH H-96-6</b>	
(looking east-northeast)	
TSJ CONSULTANTS LTD.	Drawn By: T.S.J.
	Date: March 1996
	Scale: 1" = 50'
	Figure No.: 11



**H-96-7**

(28+35E, 9+60S)

Surface

← 340° Azimuth

-100 ft

-200 ft

-300 ft

0.014opt / 8.2ft

4de, 1f, 7d

4dec, 2f

1f

4de, 1f

8a

py, po, py, px

E.O.H. at 319.0ft (97.2m)

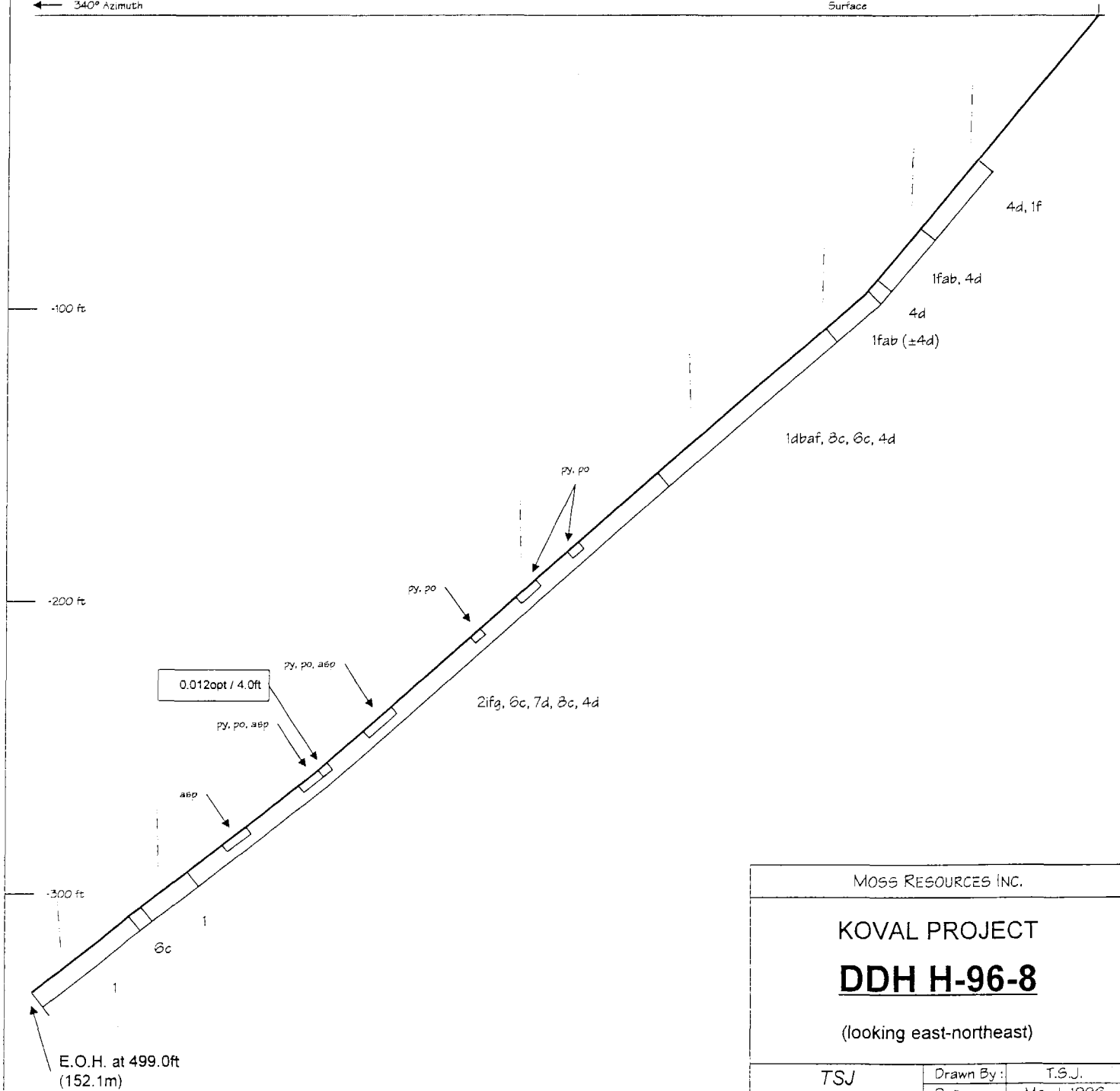
MOSS RESOURCES INC.	
KOVAL PROJECT	
<b>DDH H-96-7</b>	
(looking east-northeast)	
TSJ CONSULTANTS LTD.	Drawn By: T.S.J. Date: March 1996 Scale: 1" = 50' Figure No.: 12

H-96-8

(42+00W.19+00S)

← 340° Azimuth

Surface



MOSS RESOURCES INC.	
KOVAL PROJECT	
<b>DDH H-96-8</b>	
(looking east-northeast)	
TSJ CONSULTANTS LTD.	Drawn By: T.S.J.
	Date: March 1996
	Scale: 1" = 50'
	Figure No.: 13



APPENDIX B

DIAMOND DRILLHOLE LOGS

**DRILLHOLE # H-96-1**

LOCATION: GRID : 16+66W, 9+96S      INCLINATION: collar: -50°      STARTED: January 29, 1996      LOGGED BY: T.S. Jolliffe  
 AZIMUTH: 340°      289 feet: -41°      FINISHED: January 30, 1996      CLAIM NO.: 14369 (Patented)  
 LENGTH: 329.0 feet (100.3 meters)

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
0.0	36	<u>CASING</u>							
3.6	498	<u>INTERLAYERED SILTSTONE AND MAFIC TUFF</u> Banded dark and light grey, fine- to very fine-grained, thinly laminated (<3mm) to thickly (<1cm) laminated siltstone, grading to argillite in parts; darker chlorite ± biotite-rich and lighter more sericite+plagioclase- rich bands; minor medium-bedded argillitic bands (up to 25cm); typically with 0.5% to 4% pyrite ± pyrrhotite (± very minor arsenopyrite) as fine-grained coatings, lenses and concordant laminae but also as fillings and aggregates in minor narrow cross-cutting fractures; core angle* 46° at 44' Metasediments are interlayered with dark greenish-grey/black, fine- to medium-grained (<2mm), laminated mafic tuff containing 35% to 65% chlorite+actinolite+biotite, 25% to 50% sericite+plagioclase and 5% to 15% calcite (interstitial and in generally concordant bands, lenses); typically trace to rare pyrite±pyrrhotite coatings along foliation 3.6' - 9.5': mafic tuff, trace pyrite 9.5' - 17.1': siltstone; pyrite+pyrrhotite (rare arsenopyrite); core angle 43° at 16' 17.1' - 18.2': intermediate dyke: grey, fine-grained, massive; 25% biotite + amphibole; trace - 0.5% disseminated pyrite; upper contact cross-cutting (20°); lower contact concordant (~45°) 18.2' - 19.0': siltstone: 1 - 2% pyrrhotite+pyrite 19.0' - 19.5': mafic tuff: typical 19.5' - 23.6': siltstone: pyrrhotite+pyrite							
			2-3	10001	9.5	13.3	3.8	5	
			1-2	10002	13.3	17.1	3.8	6	
			trace-2	10003	17.1	19.5	2.4	<5	
			1-2	10004	19.5	23.6	4.1	10	

\*all core angles measured as acute angle between core axis and planar feature

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
		23.6' - 26.8': mafic tuff: typical	trace	10005	23.6	26.8	3.2	<5	
		26.8' - 29.7': siltstone: typically; pyrite+pyrrhotite	1 - 2	10006	26.8	29.7	2.9	22	
		29.7' - 33.0': mafic tuff: common (15%) calcite+quartz veinlets (concordant)	trace - 0.5	10007	29.7	34.9	5.2	<5	
		33.0' - 34.9': intermediate dyke/sill: similar to interval from 17.1' to 18.2'; upper contact 36°, lower contact 41°							
		34.9' - 44.4': mafic tuff: typical except with 0.2' and 0.1' quartz+calcite veinlets at 41.7' and 42.9' (core angles 55° and 65°, respectively – roughly concordant); later veinlet with minor stringer of unidentified mineral (looks like magnetite); pyrite+pyrrhotite becoming more common below 44'	trace	10008	34.9	39.9	5.0	<5	
		44.4' - 46.3': siltstone: typical, with 2% pyrrhotite+pyrite; core angle 46°	trace - 1	10009	39.9	44.4	4.5	9	
		46.3' - 47.8': mafic tuff: typical, with trace - 0.5% pyrrhotite+pyrite	trace - 2	10010	44.4	49.8	5.4	<5 (<5)	
		47.8' - 49.1': siltstone: typical							
		49.1' - 49.8': mafic tuff: typical							
49.8	65.3	<u>ARGILLITE</u> Dark grey-black with lighter grey bands, very fine-grained, medium bedded to thinly laminated; with minor siltstone laminae; minor small scale folding (soft-sediment deformation?); typically with 1% to 2% pyrrhotite+pyrite (pyrrhotite>pyrite) as coatings and lenses along laminae; core angles average 45°	1 - 2	10011	49.8	55.0	5.2	7	
			1 - 2	10012	55.0	60.2	5.2	9	
			1 - 2	10013	60.2	65.3	5.1	21	
65.3	78.3	<u>MAFIC VOLCANIC</u> Dark greenish-grey/black, fine- to medium-grained; dominantly homogeneous, unlaminated (massive flow?) with foliation outlined by 15-25% 1mm dark green actinolite(?) grains; overall, 40-70% chlorite+actinolite; thin laminae (tuff?) common below 75.3'; nil to trace pyrrhotite+pyrite							
		65.3' - 70.1': includes 80% sub-concordant quartz+calcite and calcite+quartz veinlets (no visible mineralization) from 65.6' to 66.4'	-	10014	65.3	70.1	4.8	16	
		70.1' - 74.3': includes 0.4' quartz+calcite veinlet (no visible mineralization) at 70.6'	-	10015	70.1	74.3	3.2	14	
		74.3' - 78.3': with 25% sub-concordant calcite+quartz and quartz+calcite veinlets (no visible mineralization)	trace	10016	74.3	78.3	4.0	8	

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
78.3	86.8	<p><u>SILTSTONE</u> Banded dark to light grey, fine- to very fine-grained, thinly laminated to thinly bedded, similar to previous intervals except with minor calcareous and cherty bands; also, generally ≤1% pyrrhotite+pyrite as coatings along laminae and fractures, as well as minor lenses and laminae ; core angles 45° to 58° (lower contact)</p>	1	10017	78.3	82.5	4.2	<5	
			1	10018	82.5	86.8	4.3	12	
86.8	143.1	<p><u>MAFIC VOLCANICS</u> Dark greenish-grey, medium- to fine-grained; 35-65% amphibole+chlorite ± biotite, 1-5% calcite; intercalated foliated pillow flows, amygdaloidal flows and thinly laminated (or foliated) tuffs; pillowed intervals distinguished by 1/2" to 1/4" arcuate selvage bands – light green (chlorite-rich), spotted with medium- to coarse-grained dark green amphibole (actinolite?) prisms; ovoid to lensoid 1-4mm amygdules with calcite±quartz fillings; typically trace - 0.5% disseminated pyrite+pyrrhotite but locally with minor aggregates, lenses and narrow laminae, particularly within and at edges of pillow selvages; typically 2 - 5% calcite + quartz veinlets and lenses, predominantly concordant; core angle average 53° 86.8' - 105.0': pillowed and amygdaloidal flows 105.0' - 115.0': tuff 108.2' - 109.3': intermediate dyke: typical; upper contact 65°, lower contact 25° 115.0' - 143.1': dominant massive amygdaloidal and pillowed flows; some intercalated tuffs 135.0' - 143.1': with minor pyrrhotite+pyrite aggregates in lenses, narrow siliceous bands and along quartz+calcite stringers 138.0' - 143.1': appears less mafic but amygdaloidal in parts (siliceous alteration?)</p>	trace - 0.5	10019	135.0	139.0	4.0	29 (21)	
			trace - 0.5	10020	139.0	143.1	4.1	25	
143.1	194.2	<p><u>INTERMEDIATE VOLCANICS</u> Grey with slight brownish tinge, fine-grained, strongly foliated/laminated (with lighter grey calcareous and darker brownish-grey biotite-rich banding); 65-75% feldspar+muscovite, 20-30% biotite+amphibole, 5-10% calcite; typically with trace - 0.5% very fine-grained disseminated pyrrhotite+pyrite, as well as minor lenses and stringers; foliated/laminated at average 52°; 1-2% concordant and cross-cutting narrow calcite+quartz veinlets 143.1' - 149.3': amygdaloidal in parts (altered mafic volcanic?); decreasing amphibole content, becoming more brownish (muscovite+biotite) but contact with mafic rocks above not very</p>							

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
		distinctive; minor pink garnets below contact 143.1' - 147.1': with 0.5 - 1% very fine-grained pyrrhotite+pyrite, rare arsenopyrite 147.1' - 155.5': includes biotite-rich tuffaceous intervals grading to mafic composition	0.5 - 1	10021	143.1	147.1	4.0	20	
			trace - 0.5	10022	147.1	151.3	4.2	20	
			trace	10023	151.3	155.5	4.2	15	
		155.5' - 159.5': possible flow breccia; minor silicification	0.5 - 1	10024	155.5	159.5	4.0	38	
		159.5' - 178.4': typical; minor quartz+calcite veinlets cross-cutting (including sub-parallel to core axis) particularly above 164.3'	trace - 0.5	10025	159.5	164.3	4.8	20	
			trace - 0.5	10026	164.3	169.0	4.7	17	
			trace - 0.5	10027	169.0	173.7	4.7	11	
			trace - 0.5	10028	173.7	178.4	4.7	12 (14)	
		178.4' - 185.2': intermediate to mafic tuff: more brownish tinge (30-40% biotite); distinctively laminated/streaked with light grey calcite lenses and discontinuous laminae (1-3mm wide) delimited by anastomosing biotite-rich seams; 10-15% calcite; minor cross-cutting and concordant quartz+calcite veinlets	trace - 1	10029	178.4	182.0	3.6	18	
		180.7' - 182.0': feldspar porphyry sill: light grey, very fine-grained, faintly banded, with 5-10% whitish 1-2mm euhedral to anhedral feldspar phenocrysts; 5% biotite; with 0.5 - 1% fine-grained pyrite in lenses and along cross-cutting fractures (~80° to foliation)	trace - 0.5	10030	182.0	185.2	3.2	10	
		185.2' - 194.2': intermediate lapilli-tuff(?): dominant thinly laminated brownish-grey calcareous feldspar+biotite ash matrix with 10-30% light greenish-grey, lenticular bands and lenses (stretched lapilli?) with calcite+feldspar+tremolite/actinolite+quartz composition; variable (trace-3%) fine-grained pyrite±pyrrhotite (+arsenopyrite?) dominantly within 'lapilli' but also in matrix as sulphide bands, lenses and disseminations	trace - 3	10031	185.2	189.7	4.5	41	
			trace - 3	10032	189.7	194.2	4.5	9	
194.2	216.4	<u>SILTSTONE</u>	0.5 - 2	10033	194.2	198.7	4.5	16	
		Light and dark grey, thinly laminated to very thinly bedded (<1mm to 2cm) with feldspathic, quartzo-feldspathic and more chloritic (±biotite) bands; very fine-grained to fine-grained; average core angle 51°; with 0.5 to 3% pyrrhotite+pyrite (± trace arsenopyrite); sulphides as very fine-grained disseminations variably concentrated in individual bands; also as coarser aggregates, in lenses, bands, along minor quartz+calcite veinlets and along cross-cutting fractures sub-perpendicular to bedding	0.5 - 2	10034	198.7	203.2	4.5	14	
			1 - 3	10035	203.2	207.7	4.5	8	
			1 - 3	10036	207.7	212.2	4.5	8	
		212.2' - 216.4': 5-10% light greenish-grey sericitized laminae	1 - 3	10037	212.2	216.4	4.2	56 (60)	

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
216.4	289.1	<u>INTERMEDIATE TO MAFIC TUFF AND LAPILLI-TUFF</u> Brownish-grey, generally thinly laminated (1-2mm, average core angle 54°) tuff, 30-40% feldspar+biotite±chlorite, 10-15% calcite; distinctively laminated/streaked with discontinuous laminae and lenses of light grey calcite; similar to interval from 178.4' to 185.2'; contains several small intervals (10-20%) with light grey stretched lensoid lapilli <1cm wide (short axis) similar to interval from 185.2' to 194.2'; minor (2%) concordant and cross-cutting quartz+calcite veinlets; 0.5 - 2% pyrite+pyrrhotite (± trace arsenopyrite) disseminated and in lenses, with minor aggregates along quartz+calcite veinlets 225.5' - 226.4': intermediate sill: typical; 1% disseminated pyrite+pyrrhotite  234.3' - 237.5': feldspar porphyry sill: typical; 1% disseminated pyrite+pyrrhotite 238.0' - 240.5': siltstone: typical, except with minor garnetiferous actinolite+chlorite bands; with 10% irregular cross-cutting quartz±calcite veinlets (associated arsenopyrite); typical pyrite+pyrrhotite  253.0' - 254.5': with minor very fine-grained arsenopyrite-rich lenses  275.4' - 278.0: slightly more siliceous and with more chloritic seams (shearing? silicification?); more common sulphides both disseminated and in very fine-grained laminae and lenses (both pyrite+pyrrhotite and arsenopyrite-rich bands) 278.0' - 281.0': similar to interval above except more chloritic and calcareous in part; only minor arsenopyrite; includes 0.3' sub-concordant quartz+calcite veinlet with large aggregates and stringers of fine-grained pyrite (appears similar to pyrrhotite), minor arsenopyrite and rare chalcopyrite 281.0 - 289.1: typical except with 10% irregular quartz+calcite veinlets	0.5 - 2	10038	216.4	221.4	5.0	534	0/016
			0.5 - 2	10039	221.4	226.4	5.0	16	
			0.5 - 2	10040	226.4	230.4	4.0	12	
			0.5 - 2	10041	230.4	234.3	3.9	13	
			1	10042	234.3	237.5	3.2	7	
			2 - 3	10043	237.5	240.4	2.9	681	0.020
			0.5 - 2	10044	240.4	245.4	5.0	258	0.008
			trace - 1	10045	245.4	250.4	5.0	128	0.004
			0.5 - 2	10046	250.4	255.4	5.0	1265 (1358)	0.037
			0.5 - 2	10047	255.4	260.4	5.0	95	
			0.5 - 1	10048	260.4	265.4	5.0	25	
			0.5 - 1	10049	265.4	270.4	5.0	40	
			0.5 - 2	10050	270.4	275.4	5.0	276	0.008
			1 - 4	10051	275.4	278.0	2.6	3139	0.092 [0.085]*
			1 - 5	10052	278.0	281.0	3.0	1061	0.031 [0.013]*
			0.5 - 2	10053	281.0	285.0	4.0	90	
			0.5 - 2	10054	285.0	289.1	4.1	14	

\* [ ] = combined pulp-metallics assay

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
289.1	306.0	<p><u>INTERMEDIATE FLOW</u>                      Greenish-grey, fine-grained, with medium-grained actinolite prisms, homogeneous; foliation (60°) highlighted by intermittent biotite seams; with 20-25% chlorite+actinolite+biotite; somewhat spotted to banded by darker mafic mineral grains; generally trace disseminated pyrite                      289.1' - 294.1': includes &lt;1" quartz+calcite veinlet (+minor tourmaline) sub-parallel to core axis                      301.0' - 306.0': as above but tourmaline more common</p>	trace - 0.5	10055	289.1	294.1	5.0	10 (11)	
			trace	10056	301.0	306.0	5.0	8	
306.0	329.0	<p><u>MAFIC LAPILLI-TUFF</u>                      Brownish-grey, fine-grained ash matrix with 1—40% light grey calcareous lensoid lapilli generally &lt;1/2" wide (short axis); 35-60% biotite+chlorite ± actinolite, 10-20% calcite; generally trace - 0.5% disseminated pyrite±pyrrhotite                      307.3' - 307.8': intermediate sill: typical                      315.2' - 315.9': as above</p>	trace - 0.5	10057	306.0	311.0	5.0	11	
	329.0	<u>END OF HOLE</u>							

**DRILLHOLE # H-96-2**

LOCATION: GRID : 17+60W, 10+30S    INCLINATION: collar: -50°    STARTED: January 31, 1996    LOGGED BY: T.S. Jolliffe  
 AZIMUTH: 340°    289 feet: -38.6°    FINISHED: February 2, 1996    CLAIM NO.: 14369 (Patented)  
 LENGTH: 319.0 feet (97.2 meters)

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
0.0	15.0	<u>CASING</u>							
15.0	91.1	<u>INTERLAYERED SILTSTONE AND MAFIC VOLCANICS</u> Banded light to dark grey, dominantly thinly laminated to thinly bedded (<1mm to 10cm), very fine-grained (argillaceous) to fine-grained siltstone (50%); interlayered with dark greenish-grey, foliated to laminated medium-grained to fine-grained mafic tuff (40%) and flows (10%); mafic volcanics with 35-65% chlorite+actinolite±biotite and 5-15% calcite (including calcareous bands and lenses, amygdules and interstitial calcite); bedding / foliation core angles* average 50°; generally minor (<2%) mainly concordant to sub-concordant calcite±quartz veinlets; typically siltstone contains 0.5 - 2% pyrite+pyrrhotite as fine-grained concordant coatings, disseminations and lenses in narrow sulphide-rich laminae, as well as minor aggregates associated with veinlets and as fillings in hairline cross-cutting fractures; mafic volcanics generally have trace to 0.5% disseminated pyrite+pyrrhotite 15.0' - 29.0': broken core, 80% recovery; footages approximate 15.0' - 16.0': feldspar+quartz porphyry: dark grey, fine-grained, homogeneous feldspar+quartz+biotite matrix with 10% medium-grained anhedral to euhedral white feldspar phenocrysts and anhedral bluish quartz 'eyes'; trace pyrite 16.0' - 21.1': siltstone: 0.5% - 2% pyrite (+ pyrrhotite?) 18.5' - 19.5': intermediate intrusive sill: compositionally similar to interval from 15.0' to 16.0' except matrix coarser grained; only slightly porphyritic 21.1' - 28.5" foliated, medium-grained mafic volcanic (flow?); trace - 0.5% disseminated pyrite	trace - 2	10058	16.0	21.1	5.1	15	

\* all core angles measured as acute angle between core axis and planar feature



<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
		28.5' - 37.7': siltstone: 0.5 - 2% pyrite+pyrrhotite; includes 0.5' mafic tuff band at 33.8'	0.5 - 2	10059	28.5	33.1	4.6	6	
		37.7' - 40.7': banded mafic volcanic: trace - 0.5% disseminated pyrite+pyrrhotite	0.5 - 2	10060	33.1	37.7	4.6	18	
		40.7' - 41.9': siltstone: 1% pyrite+pyrrhotite	trace - 1	10061	37.7	41.9	4.2	10	
		41.9' - 59.7': mafic volcanics: dominant dark greenish-grey, medium-grained, foliated amygdaloidal flows (up to 15% light grey, ovoid to lensoid calcite+quartz (+ feldspar?) amygdules generally <6mm diameter); generally trace pyrite+pyrrhotite							
		43.4' - 43.9' and 47.4' - 48.1': intermediate intrusive sills: dark grey, fine-grained to medium-grained, massive, homogeneous; 70-80% feldspar+quartz, 20-30% actinolite+biotite; trace - 1% disseminated pyrite							
		59.7' - 69.5': interlayered banded mafic volcanics (tuff ± lapilli-tuff) and 25% siltstone; trace - 0.5% disseminated pyrite ± pyrrhotite							
		69.5' - 79.2': siltstone: generally massive with only minor colour banding; fine-grained (argillaceous) in parts; pyrrhotite+pyrite disseminated, in narrow laminae and lenses, also as hairline fillings in minor cross-cutting fractures	0.5 - 2	10062	69.5	74.3	4.8	7	
			1 - 2	10063	74.3	79.2	4.9	5	
		79.2' - 86.5': mafic volcanic: medium-grained, homogeneous, well-foliated (tuff?); core broken in part; with 15% irregular quartz+calcite and calcite+quartz veins cross-cutting to concordant; includes trace unidentified fine-grained mineral aggregates and stringers (appearance of magnetite) between 79.2' and 80.0'; trace -0.5% pyrite+pyrrhotite	trace - 0.5	10064	79.2	82.8	3.6	9	
			trace - 1	10065	82.8	86.3	3.5	19	
		86.3' - 91.1': siltstone: similar to interval from 69.5' to 79.2' but banding / laminations slightly more distinct; typical sulphides (pyrrhotite+pyrite); minor small scale folding (soft sediment?)	0.5 - 2	10066	86.3	91.1	4.8	<5	
91.1	159.3	<u>MAFIC VOLCANICS</u> Dark greenish-grey, medium-grained to fine-grained, foliated (average 58°); 30-65% actinolite+chlorite ± biotite and 1-5% calcite; dominant homogeneous foliated intervals probably massive flows; also pillowed flows with chlorite+actinolite selvages and slightly amygdaloidal flows (ovoid calcite+quartz+feldspar amygdules); 2-5% calcite+quartz veinlets predominantly paralleling foliation; generally trace - 0.5% disseminated pyrite+pyrrhotite; also minor sulphide aggregates, lenses and narrow bands associated with pillow selvages	0.5 - 1	10067	91.1	96.2	5.1	7 (8)	
			0.5	10068	96.2	101.3	5.1	155	
		101.3' -111.6': more intermediate composition in parts -- probably due to silicification and carbonate alteration (pillow selvages present)	trace - 0.5	10069	101.3	106.4	5.1	19	
			trace	10070	106.4	111.6	5.2	<5	

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
159.3	202.5	116.9' - 117.8': intermediate intrusive sill: typical	trace - 2	10071	156.3	159.3	3.0	24	
		120.0' - 123.7': similar to interval from 101.3' to 111.6'							
		143.2' - 147.5': similar to interval from 101.3' to 111.6'							
		158.4' - 159.3': increasing (0 → 10%) 1-3mm pale pink garnets; increasing (trace → 2%) pyrite + pyrrhotite							
		<u>INTERMEDIATE VOLCANICS</u>							
		Grey with brownish tinge, dominantly fine-grained, strongly foliated / schistose (average 58°); streaked / laminated with lighter grey calcareous lenses, bands and anastomosing brownish-black biotite-rich seams; 50-65% feldspar (+muscovite?), 25-35% biotite (± chlorite, actinolite), 5-20% calcite; possibly a schist produced by pervasive shearing, carbonatization, silicification, biotite alteration of mafic volcanics rather than a primary intermediate volcanic; with 1-4% concordant to irregular cross-cutting calcite+quartz veinlets; trace - 0.5% very fine-grained disseminated pyrite+pyrrhotite and minor lenses as well as aggregates associated with veinlets							
		159.3' - 164.3': with minor amygdules – silicified, carbonate altered mafic flow?; very minor pink garnets							
		193.2' - 194.6': feldspar porphyry sill: 5% <2mm euhedral to anhedral feldspar laths in light grey, fine-grained, weakly foliated felsic matrix; pyrrhotite ± pyrite disseminated and in fine-grained aggregates							
		197.9' - 198.9': intermediate intrusive sill: typical – fine-grained, massive							
		198.9' - 202.5': increasing pyrrhotite+pyrite below 201.2'; garnetiferous below 201.7'; with 0.2' intermediate intrusive sill (typical) at 202.3'							
		202.5							
		Light and dark grey banded, generally thinly laminated to very thinly bedded (<1mm to 2cm); with feldspathic, quartzo-feldspathic and chlorite ± biotite rich laminae; very fine-grained to fine-							

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>		
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt	
225.1	294.9	<p>grained; slightly sheared (lighter grey feldspathic bands somewhat sericitized); average core angle 57°; includes 5-10% calcareous, biotite-rich schistose bands (mainly below 216') similar to units above and below; 2% irregular cross-cutting to concordant quartz+calcite veinlets; pyrite+pyrrhotite in very fine-grained disseminated streaks parallel foliation and aggregates in sulphide-rich laminae and lenses; minor hairline fracture fillings</p> <p>207.0' - 211.5': includes more thickly bedded intervals with tight to isoclinal folding parallel to foliation, outlined by darker argillaceous laminae</p>	trace - 2	10082	202.5	207.0	4.5	<5		
			trace - 2	10083	207.0	211.5	4.5	7		
			trace - 1	10084	211.5	216.0	4.5	20		
			trace - 1	10085	216.0	220.5	4.5	6 (6)		
			1 - 2	10086	220.5	225.1	4.6	131		
		<u>INTERMEDIATE VOLCANICS</u>								
		<p>Similar to interval from 159.3' to 202.5': brownish-grey, strongly foliated (average 58°), generally fine-grained; distinctively streaked with light grey calcite-rich lenses, bands and dark brownish-grey/black biotite-rich seams; appears to be schist derived from shearing, biotite+carbonate alteration, silicification ± sericitization of original intermediate or mafic volcanic rocks; 35-60% feldspar (± sericite), 25-40% biotite (+muscovite?), 20-40% quartz, 10-20% calcite; light grey feldspar+quartz+calcite lenses in parts may be stretched lapilli or tectonically brecciated fragments; pyrite+pyrrhotite disseminated, in sulphide-rich bands, lenses; also sulphide aggregates associated with quartz+calcite veinlets and hairline fracture fillings</p>								
		<p>226.9' - 229.8': brecciated sericitized foliated feldspar porphyry sill: light grey fine-grained sericitized felsic matrix with 5-10% euhedral to anhedral white feldspar phenocrysts (1-2mm) cut by concordant biotite+calcite shear from 227.0' to 227.6'; remainder of interval 50% irregular quartz veins; 2% pyrite±pyrrhotite disseminated in porphyry and as aggregates and fracture fillings in quartz veins</p>		0.5 - 2	10087	225.1	229.8	4.7	662	
		<p>229.8' - 234.1': trace arsenopyrite</p>		0.5 - 1	10088	229.8	234.1	4.3	971	0.028
		<p>234.1' - 234.9': intermediate intrusive sill</p>		0.5 - 1	10089	234.1	237.8	3.7	40	
<p>241.5 - 247.5': somewhat more siliceous (silicification?); arsenopyrite+pyrite±pyrrhotite; rare chalcopryite; 3 specks (up to 1mm) of possible visible gold at 244.9'; increase in sulphides predominantly, if not entirely, due to arsenopyrite which may post-date pyrite+pyrrhotite and is present as extremely fine-grained 'dusting' in siliceous lenses, streaks and bands paralleling</p>		0.5 - 1	10090	237.8	241.5	3.7	27			
		1 - 4	10091	241.5	244.5	3.0	1007	0.029 [0.028]*		
		2 - 5	10092	244.5	247.5	3.0	8927	0.260 [0.261]*		

\* [ ] = combined pulp-metallics assay

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
		foliation, as well as in minor coarser aggregates associated with quartz (± calcite, chlorite, biotite, tourmaline?) veinlets							
		247.5' - 257.5': trace - 0.5% arsenopyrite in siliceous lenses, streaks, rare aggregates; typical pyrite ±pyrrhotite	0.5 - 2	10093	247.5	252.5	5.0	792	0.023 [0.022]*
			0.5 - 2	10094	252.5	257.5	5.0	193 (236)	
		257.5' - 265.7': arsenopyrite generally absent except for rare lenses (265.5') and as aggregates with pyrite, pyrrhotite (± rare chalcopyrite) associated with minor (<0.2') irregular concordant to cross-cutting quartz+calcite+chlorite+biotite ± tourmaline veinlets at 261.1' and 263.1'; also, pygmatic calcite+quartz veinlets (<5mm) sub-parallel to core axis; overall <0.5% arsenopyrite	0.5 - 2	10095	257.5	261.6	4.1	39	
			0.5 - 2	10096	261.6	265.7	4.1	1550	0.045
		265.7' - 275.8': trace arsenopyrite	0.5 - 1	10097	265.7	270.7	5.0	49	
			0.5 - 1	10098	270.7	275.8	5.1	26	
		275.8' - 278.3': siltstone: altered (calcareous, biotite seams)	1 - 2	10099	275.8	278.3	2.5	46	
		278.3' - 282.3': <0.5% arsenopyrite in siliceous lenses	0.5 - 2	10100	278.3	282.3	4.0	572	
			0.5 - 1	10101	282.3	286.3	4.0	8	
		286.3' - 289.0': with 25% irregular cross-cutting to concordant quartz+calcite veinlets and associated massive biotite seams	0.5 - 2	10102	286.3	289.9	3.6	23	
			trace	10103	289.9	294.9	5.0	14 (15)	
294.9	305.5	<u>INTERMEDIATE FLOW</u> Slightly greenish-grey, fine-grained, with 15-20% intermittent biotite seams outlining foliation (58°); slightly spotted with dark greenish medium-grained actinolite prisms (5-10%); slightly chloritic; minor (<3%) pink garnets; trace - 0.5% disseminated pyrite	trace - 0.5	10104	294.9	299.9	5.0	9	
305.5	319.0	<u>MAFIC VOLCANIC</u> Dark brownish-grey, fine-grained to medium-grained, well foliated (57°) biotite+feldspar+calcite schist; with 10-30% lighter grey calcareous lenses and lensoid bands; possible lapilli-tuff (logged as such in borehole H-96-1); trace 0.5% disseminated pyrite±pyrrhotite							
	319.0	<u>END OF HOLE</u>							

\* [ ] = combined pulp-metallics assay

**DRILLHOLE # H-96-3**

LOCATION: GRID: 18+53W, 10+65S    INCLINATION: collar -50°    STARTED: February 2, 1996    LOGGED BY: T.S. Jolliffe  
 AZIMUTH: 340°    349 feet -44.1°    FINISHED: February 3, 1996    CLAIM NO.: 14372 (Patented)  
 LENGTH: 349.0 feet (106.4 meters)

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
0.0	8.0	<u>CASING</u>							
8.0	41.0	<u>SILTSTONE</u> Light grey to dark grey banded, generally very fine-grained with minor medium-grained arenaceous laminae, dominantly thinly laminated to thinly bedded (<1mm to 5cm) at average 41°* to core axis; minor intercalated dark greenish-grey mafic tuff intervals; typically trace - 1%, pyrite+pyrrhotite as coatings on laminae, aggregates in narrow sulphide-rich laminae and lenses finely disseminated and as fillings in minor hairline cross-cutting fractures 38.8' - 39.4' and 40.1' - 41.0': intermediate intrusive: dark greenish-grey with slight brownish tinge, fine-grained to medium-grained, massive, homogeneous, concordant to slightly cross-cutting; 20-30% biotite+actinolite; trace disseminated pyrite	trace -0.5	10105	8.0	12.7	4.7	<5	
			trace -0.5	10106	12.7	17.4	4.7	<5	
			trace -0.5	10107	17.4	22.1	4.7	<5	
			trace - 1	10108	22.1	26.8	4.7	6	
			trace -0.5	10109	26.8	31.5	4.7	<5	
			trace -0.5	10110	31.5	36.2	4.7	5	
			trace - 1	10111	36.2	41.0	4.8	<5	
41.0	46.0	<u>MAFIC VOLCANIC</u> Dark greenish-grey/black, fine- to medium-grained, laminated (tuff?) to foliated at 38°; with 35-65% actinolite+chlorite+biotite; minor siltstone; trace - 0.5% disseminated fine-grained pyrite+pyrrhotite	trace -0.5	10112	41.0	46.0	5.0	10	
46.0	57.8	<u>SILTSTONE</u> Similar to interval from 8.0' to 41.0' but generally finer-grained, more argillaceous, more common sulphides (+ rare arsenopyrite); laminated at 37°	1-3	10113	46.0	50.0	4.0	<5	
			1-3	10114	50.0	54.0	4.0	<5	
			1-3	10115	54.0	57.8	3.8	<5	
57.8	87.5	<u>MAFIC VOLCANICS</u> Dark greenish-grey/black, fine-grained to medium-grained, foliated to laminated (41° - 50°) tuffs and							

\* all core angles measured as acute angle between core axis and planar feature

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>			<u>ASSAY</u>			
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
		massive to slightly amygdaloidal flows; 35-65% chlorite+actinolite+biotite; 2% dominantly concordant calcite+quartz veinlets; trace - 0.5% pyrite+pyrrhotite disseminated 57.8' - 64.9': with 25% interlayered siltstone  82.5' - 87.5': with ~10% interlayered siltstone	trace -0.5	10116	57.8	61.4	3.6	6	
			trace - 1	10117	61.4	64.9	3.5	<5	
			trace -0.5	10118	82.5	87.5	5.0	<5	
87.5	109.0	<u>SILTSTONE</u> Similar to interval from 46.0' to 57.8' except no visible arsenopyrite ; laminated at average 47° 95.5' - 100.0': includes ~20% irregular but dominantly concordant quartz+calcite veins with associated pyrite+pyrrhotite aggregates 100.0' - 104.0': mafic volcanic similar to interval from 57.8' to 87.5'	1 - 3	10119	87.5	91.5	4.0	5	
			1 - 3	10120	91.5	95.5	4.0	<5	
			2 - 4	10121	95.5	100.0	4.5	9	
			0.5	10122	100.0	104.0	4.0	13	
			0.5 - 3	10123	104.0	109.0	5.0	<5 (6)	
109.0	209.0	<u>MAFIC VOLCANICS</u> Dark greenish-grey, medium-grained to fine-grained, foliated (48°), massive and pillowed flows, slightly amygdaloidal in parts; with minor laminated to foliated tuffs; 25 -65% actinolite+chlorite ±biotite; 5% calcite in amygdules and calcareous lenses and bands; 2-5% calcite+quartz veinlets dominantly concordant but also cross-cutting, irregular; several intervals grade to andesitic composition but presence of pillow selvages and amygdules suggests alteration (silicification) from primary mafic volcanic; slightly garnetiferous in parts (minor intervals with up to 10% pink garnets (up to 5mm); typically trace - 0.5% disseminated pyrite+pyrrhotite; also minor aggregates, lenses and narrow sulphidic bands, particularly associated with pillow selvages 109.0' - 119.0': upper part tuffaceous; above average sulphides  132.1' - 137.1': above average sulphides; includes silicified 'andesitic' pillowed flow 174.1' - 206.7': gradual increase in biotite (+calcite) content in seams, bands and lenses, at expense of actinolite+chlorite (deformation effect?); biotite dominant below about 190.5' 185.2' - 190.2': above average sulphides; garnetiferous 191.0' - 192.2' intermediate intrusive sill: darkish grey, homogeneous, similar to previous but with 5-10% slightly coarser grained (1-2mm) anhedral to euhedral white feldspar and minor quartz phenocrysts; trace pyrite	0.5 - 1	10124	109.0	114.0	5.0	8	
			0.5 - 1	10125	114.0	119.0	5.0	10	
			0.5 - 1	10126	132.1	137.1	5.0	29	
			0.5 - 1	10127	185.2	190.2	5.0	17	
			trace -0.5	10128	190.2	194.2	4.0	34	

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
		195.4' - 195.6': intermediate intrusive sill, as above	trace-0.5	10129	194.2	198.2	4.0	9	
			trace-0.5	10130	198.2	202.2	4.0	6	
			0.5 - 1	10131	202.2	206.7	4.5	23	
		206.7' - 209.0': mafic sill: fine-grained, homogeneous, dark grey, weakly foliated, with 35-40% biotite±amphibole; minor pyrite	trace-0.5	10132	206.7	209.0	2.3	<5 (<5)	
209.0	228.7	<u>INTERMEDIATE VOLCANICS</u>	trace-0.5	10133	209.0	214.0	5.0	<5	
		Brownish-grey, strongly foliated (45° - 55°), fine-grained schist; distinctively streaked with light grey/white calcareous lenses and bands and brownish biotite-rich bands and seams; 35-60% feldspar (+sericite), 20-40% biotite (± chlorite, actinolite), 10-30% quartz, 5-20% calcite; appears to be product of shearing, carbonatization, biotite alteration, silicification ± sericitization of original intermediate (or mafic) volcanics; minor concordant calcite±quartz veinlets; trace - 0.5% pyrite±pyrrhotite disseminated as coatings and lenses along foliation planes	trace-0.5	10134	214.0	219.0	5.0	<5	
			trace-0.5	10135	219.0	224.0	5.0	<5	
		225.7' - 227.5': feldspar porphyry sill: light grey, foliated, homogeneous, fine-grained felsic matrix with 5% medium-grained euhedral to anhedral feldspar phenocrysts; 0.5% disseminated pyrite	trace - 1	10136	224.0	228.7	4.7	16	
		227.5' - 227.7': intermediate intrusive: typical							
		227.7' - 228.7': with siltstone laminae, associated more common sulphides							
228.7	254.5	<u>SILTSTONE</u>							
		Similar to interval from 8.0' to 41.0', except common whiter, partially to completely sericitized bands, stronger foliation marked by biotite-rich seams ± calcareous bands, absence of actinolite+chlorite; laminated/foliated at 48°; typical pyrite+pyrrhotite except less common, possibly because of alteration described above							
		232.0' - 232.9': intermediate intrusive sill: darkish-grey, fine-grained, massive, homogeneous, unfoliated	0.5 - 1	10137	228.7	233.4	4.7	<5	
			0.5 - 1	10138	233.4	238.1	4.7	11	
			0.5 - 2	10139	238.1	242.8	4.7	11	
			0.5	10140	242.8	247.5	4.7	<5	
			0.5	10141	247.5	250.0	2.5	<5 (<5)	
			0.5 - 2	10142	250.0	254.5	4.5	16	
		250.0' - 252.2': with rare arsenopyrite; brecciated below 251.9'							
		252.2' - 254.5': feldspar±quartz porphyry: foliated, sericitized fine-grained felsic matrix with 5% subhedral to anhedral 1-2mm phenocrysts; partially brecciated with 25% quartz (± calcite,							

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
254.5	317.7	amphibole, biotite) vein fillings; 0.5 - 2% pyrrhotite+pyrite disseminated and aggregates in veins; rare chalcopyrite  <u>INTERMEDIATE VOLCANICS</u> Similar to interval from 209.0' to 228.7'; foliated at 49° 254.5' - 266.7': above average silicification and 5-10% irregular but generally concordant quartz veinlets (+ very minor tourmaline); includes trace arsenopyrite above 258.7' 255.4' - 256.3': concordant biotite-rich interval; mafic intrusive or possible fault 256.9' - 257.7': intermediate intrusive sill 266.7' - 270.7': with trace arsenopyrite  274.7' - 278.7': trace - 0.5% arsenopyrite, including minor narrow arsenopyrite-rich bands at 277.0' 275.0' - 276.7': with siltstone laminae 276.7' - 312.8': generally darker brownish, more biotite-rich, schistose (altered mafic volcanic?)  288.6' - 312.8': with trace to rare arsenopyrite  312.5' - 312.8': possible fault (contacts 38° and 44° with quartz veinlets); approximately at stratigraphic position of distinctive intermediate flow in boreholes H-96-1 and H-96-2 312.8' - 317.7': mafic volcanic or intrusive: brownish-black, fine-grained, homogeneous; less strongly foliated toward lower end; with 5% pink garnets (up to 7mm) predominantly below 316.5'							
			1 - 2	10143	254.5	258.7	4.2	138	
			1 - 2	10144	258.7	262.7	4.0	107	
			1 - 2	10145	262.7	266.7	4.0	105	
			0.5 - 1	10146	266.7	270.7	4.0	202	
			0.5 - 1	10147	270.7	274.7	4.0	41	
			1 - 2	10148	274.7	278.7	4.0	527	
			0.5	10149	278.7	283.7	5.0	17	
			0.5	10150	283.7	288.6	4.9	285	
			0.5	10151	288.6	293.6	5.0	32	
			0.5	10152	293.6	298.6	5.0	36	
			0.5	10153	298.6	303.6	5.0	560	
			0.5 - 1	10154	303.6	308.6	5.0	275	
			0.5 - 1	10155	308.6	312.8	4.2	1603	0.047
			trace-0.5	10156	312.8	317.7	4.9	50	
317.7	349.0	<u>MAFIC VOLCANIC</u> Dark brownish-grey, fine-grained to medium-grained, strongly foliated (52°) biotite+feldspar+calcite schist; with light (slightly greenish)-grey calcareous, felsic (+tremolite/actinolite?) bands 1-5mm wide and augen-shaped lenses; possible lapilli-tuff; trace - 0.5% disseminated pyrite±pyrrhotite 317.7' - 319.0': in parts with abundant coarse-grained garnets							
			trace-0.5	10157	317.7	322.7	5.0	30	
349.0		<u>END OF HOLE</u>							



**DRILLHOLE # H-96-4**

LOCATION: GRID: 20+00W, 4+50S      INCLINATION: collar -50°      STARTED: February 4, 1996      LOGGED BY: T.S. Jolliffe  
 AZIMUTH: 000°      209 feet -44.5°      FINISHED: February 5, 1996      CLAIM NO.: 14372 (Patented)  
 LENGTH: 379.0 feet (115.5 meters)      379 feet -40.9°

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
0.0	25.0	<u>CASING</u>							
25.0	213.4	<u>FELSIC VOLCANICS</u> Medium grey, fine-grained grading to medium-grained, laminated (average 45°*) to massive rhyodacitic (5-15% biotite) tuffs; with up to 10% light and dark grey banded, very fine-grained siltstone laminae (generally 1mm to 1cm wide); has appearance (colour) of an intermediate volcanic but only locally grades to dacite (15-20% biotite); with about 5% bluish quartz 'eyes' (not prominent); locally grades to lapilli-tuff with lensoid to round felsic lapilli up to 1cm but generally <5mm; typically contains 0.5% pyrite (+pyrrhotite?) in fine-grained disseminated aggregates, lenses and coatings along foliation planes, as well as very minor fracture fillings 36.6' - 41.6': character sample; with 20% siltstone laminae tightly folded axial planar to foliation 51.8' - 53.0': intermediate intrusive dyke: dark slightly brownish-grey, fine-grained, homogeneous, massive; with 30-40% biotite+amphibole±chlorite; trace pyrite; upper and lower contacts 35° and 28°, respectively 54.7' - 58.8': as above, except central portion medium-grained; 20% felsic tuff interval; upper contact concordant, lower contact 32° 58.8' - 61.7': grading downward to lapilli-tuff 66.8' - 69.8': silicified with quartz ± amphibole (tourmaline?) veinlet at 10° to core axis between 68.0' and 68.8'; 0.5% pyrrhotite+pyrite aggregates (+rare chalcopyrite) in veinlet 80.6' - 90.6': with 5-15% irregular (dominantly concordant) quartz veinlets, particularly below 86.3'; minor associated pyrrhotite (±pyrite) aggregates 90.6' - 92.0': intermediate intrusive sill: similar to interval from 51.8' to 53.0'	0.5	10158	36.6	41.6	5.0	19	
			0.5-1	10159	66.8	69.8	3.0	7	
			0.5	10160	80.6	85.6	5.0	11	
			0.5	10161	85.6	90.6	5.0	18	
			trace-1	10162	90.6	94.6	4.0	45	

\* all core angles measured as acute angle between core axis and planar feature

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
		92.0' - 98.6': lighter grey, rhyolitic; with minor quartz veinlets; 0.5 - 2% pyrrhotite±pyrite lenses parallel foliation in rhyolite	0.5 - 2	10163	94.6	98.6	4.0	55	
		98.6' - 138.6': below about 101' distinctive texture dominates – wavy foliation (average 45°) created by 10-20% round to lensoid (4-10mm) quartz augen (lapilli?); sericitic matrix; pyrrhotite+pyrite lenses, aggregates, fracture fillings more common; rare arsenopyrite	1	10164	98.6	103.6	5.0	14	
			0.5 - 2	10165	103.6	108.6	5.0	25	
			0.5 - 1	10166	108.6	113.6	5.0	47	
			1	10167	113.6	118.6	5.0	25 (40)	
			0.5 - 1	10168	118.6	123.6	5.0	13	
			0.5 - 1	10169	123.6	128.6	5.0	28	
		128.6' - 133.6': includes 5-10% irregular quartz veinlets	0.5	10170	128.6	133.6	5.0	13	
			0.5	10171	133.6	138.6	5.0	19	
			0.5 - 1	10172	138.6	143.6	5.0	10	
		143.7' - 144.0': and 145.7' - 146.6': intermediate intrusive sills: typical	0.5 - 1	10173	143.6	148.6	5.0	9	
		148.7' - 150.0': blackish-grey, chloritized (argillaceous?, graphitic?); increasing lenses of pyrrhotite	2 - 5	10174	148.6	152.6	4.0	63	
		150.0' - 167.6': with sulphide-rich (pyrrhotite and pyrite) intervals consisting of lenses, bands and interstitial aggregates, as well as massive pyrrhotite and/or pyrite fillings in fractured to brecciated sections; common irregular quartz vein fracture fillings – appears to be tectonic rather than pyroclastic breccia; minor pink garnets	2 - 5	10175	152.6	156.6	4.0	221	0.006
		159.5' - 160.8': intermediate intrusive sill or dyke; typical – homogeneous, massive, fine-grained	1 - 5	10176	156.6	160.8	4.2	215 (568)	0.006 (0.017)
		162.8' - 163.9': intermediate intrusive sill or dyke: as above; massive sulphides along upper and lower contacts, as well as in fractures within intrusive -- indicates remobilization (or late deposition) of sulphides	3 - 50	10177	160.8	164.8	4.0	430	0.013
			1 - 20	10178	164.8	167.6	2.8	55	
		167.6' - 168.9': intermediate intrusive sill: homogeneous, massive, fine-grained as previous but amphibole+chlorite dominant over biotite	trace - 1	10179	167.6	172.6	5.0	10	
		171.8' - 195.0': predominantly with wavy foliation (average 45°), quartz augen (lapilli?) and sericitized, as from 101.0' - 138.6'	0.5 - 1	10180	172.6	177.7	5.1	13	
			0.5 - 1	10181	177.7	182.8	5.1	5	
		186.5' - 187.7': quartz vein: sub-concordant, with minor pyrrhotite+pyrite (+ rare chalcopyrite)	0.5 - 2	10182	182.8	187.9	5.1	6	
			0.5 - 1	10183	187.9	193.0	5.1	6	
			trace - 1	10184	193.0	198.0	5.0	<5	
			trace - 1	10185	198.0	203.2	5.2	5 (6)	
			0.5 - 1	10186	203.2	208.3	5.1	<5	
			0.5 - 1	10187	208.3	213.4	5.1	10	

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
213.4	222.2	<u>MAFIC VOLCANIC</u> Dark greenish-grey, medium-grained, well foliated; 35-65% amphibole+chlorite+biotite; minor irregular and concordant calcite±quartz veinlets; trace - 0.5% pyrrhotite+pyrite disseminated and as fracture fillings							
222.2	270.1	<u>GRANITOID INTRUSIVE</u> Lightish grey, homogeneous, massive, fine-grained; 15% slightly coarser-grained subhedral to anhedral amphibole+biotite give speckled pattern against felsic matrix; spotted with 1% anhedral, 2-5mm feldspar phenocrysts; very weak foliation (oriented biotite lenses, amphibole prisms); upper contact 20°; no visible sulphides; lower contact 40° 236.7': 0.2' amphibole(tourmaline?)+quartz+calcite+biotite+chlorite veinlet; possible fault with 15° contacts 242.7': <0.1' veinlet, as above; contacts 30° 247.4': dark brownish-grey mafic dyke; biotite-rich; 0.2' wide, contacts 45°	-	10188	235.2	238.2	3.0	17	
270.1	280.8	<u>MAFIC TO INTERMEDIATE VOLCANIC</u> Similar in upper part to interval from 213.4' to 222.2' but grading to intermediate composition (25-35% amphibole+chlorite±biotite) probably through silicification from original mafic volcanic; well foliated (45°-52°) toward contacts; trace - 0.5% pyrrhotite+pyrite; trace - 1% magnetite 279.6' - 280.3': mafic intrusive dyke: dark greenish-grey, homogeneous, massive, fine-grained (35-45% amphibole+chlorite+biotite); upper and lower contacts 52° and 40°, respectively							
280.8	295.5	<u>FELSIC TUFF</u> Light (slightly buff-)grey, fine-grained, foliated (45° to 52°); 5-20% lensoid to ovoid quartz (generally < 2mm) in felsic matrix; 5-15% biotite lenses outline foliation; homogeneous – possible sub-volcanic intrusive but contacts concordant and no change in grain size away from contacts; nil to trace pyrite 285.9' - 286.7': concordant brecciated quartz+biotite+calcite vein; possible fault; trace - 0.5% pyrite coatings 292.4': <0.2' concordant chlorite+biotite+quartz+calcite shear/veinlet with hairline chalcopyrite stringer; common pyrrhotite (has appearance of sphalerite but magnetic)	trace - 0.5	10189	285.5	290.5	5.0	28	
			trace - 1	10190	290.5	295.5	5.0	20	

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
295.5	302.5	<p><u>INTERMEDIATE VOLCANIC</u>                      Greenish-grey, fine-grained, foliated (43°- 54°) to sheared, silicified; 15-35% mafic minerals (biotite lenses, seams dominant, replacing amphibole+chlorite in sheared portions; probably a silicified mafic volcanic; trace pyrite                      295.5' - 298.8': sheared, silicified</p>	trace	10191	295.5	298.8	3.3	8	
			trace	10192	298.8	302.5	3.7	7	
302.5	309.0	<p><u>INTERMEDIATE INTRUSIVE</u>                      Typical, dark (slightly brownish-)grey, fine-grained, homogeneous, massive; 25-35% biotite+amphibole; trace pyrite; upper and lower contacts ~60° and 50°, respectively                      302.5' - 306.5': with 10% quartz ± calcite, chlorite veinlets and fracture fillings sub-parallel to sub-perpendicular to core axis; minor associated pyrrhotite+pyrite aggregates</p>	trace - 0.5	10193	302.5	306.5	4.0	6	
309.0	379.0	<p><u>MAFIC VOLCANICS</u>                      Dark greenish-grey, medium-grained, foliated (37°- 60°); 35-50% chlorite+amphibole+biotite; sulphides generally absent except for very minor pyrite associated with irregular milky quartz ± calcite, chlorite veinlets; probably massive (+pillowed?) mafic flows                      313.3' - 325.0': common irregular cross-cutting and concordant quartz ± calcite, chlorite veinlets                       322.0' - 325.0': 70% veins                      334.9' - 338.4': intermediate intrusive sill: typical                      345.3' - 350.3': 25% dominantly concordant quartz ± calcite, chlorite veins; strongly foliated (30°- 35°) below 349.6' (sheared?)                      356.3' - 379.0': nil to 1% disseminated magnetite                      359.3' - 367.8': generally grades to intermediate composition – probably silicified; 5% calcite+quartz fracture fillings and narrow sub-concordant veinlets                      368.7' - 371.5': granitoid intrusive sill: grey, mottled with medium-grained (&lt;2mm) 15-25% anhedral to euhedral whitish feldspar and 10-15% dark biotite (lenses outline slight foliation)</p>	trace	10194	313.3	317.7	4.4	6 (6)	
			trace	10195	317.7	322.0	4.3	10	
			trace	10196	322.0	325.0	3.0	7	
			trace	10197	345.3	350.3	5.0	7	
			trace	10198	359.3	363.5	4.2	<5	
			trace	10199	363.5	367.8	4.3	<5	
379.0		<u>END OF HOLE</u>							

**DRILLHOLE # H-96-5**

LOCATION: GRID: 6+41W, 5+94S      INCLINATION: collar -50°      STARTED: February 6, 1996      LOGGED BY: T.S. Jolliffe  
 AZIMUTH: 340°      199 feet -43.0°      FINISHED: February 7, 1996      CLAIM NO.: 14369 (Patented)  
 LENGTH: 199.0 feet (60.7 meters)

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
0.0	4.2	<u>CASING</u>							
4.2	8.7	<u>MAFIC FLOW</u> Greenish-black, medium-grained to fine-grained, foliated (48°*); 35-60% amphibole+chlorite+biotite; with 5-10% white, ovoid to lenticular calcite+quartz amygdules; trace - 1% pyrite+pyrrhotite disseminated, in lenses and as aggregates in narrow concordant quartz+calcite stringers	trace - 1	10200	4.2	8.7	4.5	<5	
8.7	11.7	<u>FELDSPAR PORPHYRY</u> Light grey, fine-grained, foliated (47°), with 5% euhedral to anhedral <2mm whitish feldspar phenocrysts and minor quartz 'eyes'; 0.5% disseminated pyrite+pyrrhotite lenses	0.5	10201	8.7	11.7	4.0	5	
11.7	18.5	<u>MAFIC VOLCANIC</u> Distinctively textured dark brownish-grey, fine-grained, biotite-rich (± amphibole, chlorite) matrix comprising bands and anastomosing seams; with 30-60% light (slightly greenish) grey elongated lenses and/or discontinuous bands (1 to 5mm wide x 5mm to 4cm long) consisting of fine-grained calcite+quartz (+feldspar?) – possible altered (carbonatized) lapilli; slight greenish tinge in 'lapilli' could be tremolite/actinolite; strongly foliated at average 47°; trace pyrite predominantly as coatings along fractures sub-perpendicular to foliation							
18.5	64.0	<u>INTERMEDIATE VOLCANICS</u> Grey with brownish tinge, fine-grained, finely foliated (average 47°); 25-35% biotite ± chlorite,							

\* all core angles measured as acute angle between core axis and planar feature

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
		amphibole; 3-15% calcite in matrix and in calcite-rich bands; minor intervals with a few pink garnets; overprinted foliation has obliterated primary textures -- homogeneity suggests flows but some sections, e.g., 48' to 59' could be tuffaceous; trace very fine-grained pyrite+pyrrhotite in lenses and in minor coarser aggregates/coatings associated with fractures and narrow quartz+calcite veinlets 38.0' - 43.0': character sample; minor irregular and concordant calcite+quartz±chlorite veinlets and fracture fillings	trace	10202	38.0	43.0	5.0	6	
64.0	148.0	<u>INTERMEDIATE LAPILLI-TUFF AND TUFF</u> Slightly brownish-grey, strongly foliated/laminated (average 49°); compositionally similar to interval above, except more calcareous (up to 25%); texturally similar to interval from 11.7' to 18.5', i.e., with up to 60% dominant lighter grey calcite+quartz+actinolite/tremolite (+feldspar?) lenses, less common smoky quartz lenses, bands, as well as sericitized feldspar±quartz lenses, bands (probable lapilli) in a fine-grained biotite+quartz+feldspar matrix; minor finely laminated (tuffaceous?) intervals; dominantly with fractures - 0.5% very fine-grained, disseminated pyrite+pyrrhotite and minor aggregates, lenses 67.9' - 72.9': more common disseminated sulphides; also siliceous lenses rich in fine-grained pyrite and/or pyrrhotite, and arsenopyrite 71.0' - 71.9': intermediate intrusive dyke: dark brownish-grey, fine-grained, homogeneous, unfoliated; upper and lower contacts 35 ° and 48 °, respectively; trace - 0.5% disseminated fine-grained pyrite; also pyrrhotite coatings along fractures 105.0' - 118.0': slightly more common pyrite+pyrrhotite aggregates and sulphide-rich siliceous lenses; occasional isolated arsenopyrite blebs 118.0' - 148.0': grading toward felsic composition (<20% biotite; more common sericite+feldspar and quartz lenses, bands; less common calcite-rich lenses, bands) sulphides same as previous, including occasional arsenopyrite above 136.1'; several arsenopyrite grains associated with hairline quartz-filled fracture sub-perpendicular to foliation at 132.5' 134.2' - 135.7': feldspar porphyry sill: grey, fine-grained, foliated; spotted with 5-10% white anhedral to euhedral feldspar phenocrysts (<2mm); 0.5% disseminated pyrite+pyrrhotite 139.9' - 145.0': more common pyrite±pyrrhotite in siliceous sulphide-rich lenses, bands and	trace - 0.5	10203	64.0	67.9	3.9	18	
			0.5 - 3	10204	67.9	72.9	5.0	9	
			trace	10205	72.9	77.9	5.0	15	
			trace - 0.5	10206	105.0	109.5	4.5	13	
			trace - 0.5	10207	109.5	113.5	5.0	10	
			trace - 1	10208	113.5	118.5	5.0	8	
			0.5	10209	118.5	123.5		12 (13)	
			0.5 - 2	10210	123.5	128.5	5.0	9	
			0.5	10211	128.5	132.3	3.8	18	
			0.5	10212	132.3	136.1	3.8	13	
			0.5 - 1	10213	136.1	139.9	3.8	840	0.024
			2 - 5	10214	139.9	145.0	5.1	27	

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
148.0	156.3	disseminated; otherwise intervals does not appear distinctive <u>FELSIC VOLCANIC</u> Light and smoky grey, fine-grained, foliated (48 °), sericite+feldspar+quartz and quartz-rich bands, lenses (stretched lapilli?); 5% biotite ± amphibole; possible felsic tuff and lapilli-tuff and/or breccia/brecciated (obscured by foliation overprint); 0.5-4% pyrite+pyrrhotite ± arsenopyrite (mainly below 152.3') disseminated, in sulphide-rich siliceous lenses, bands and in aggregates, particularly associated with quartz veinlets 152.3' - 156.3': ~20% irregular discontinuous quartz veinlets; trace - 0.5% arsenopyrite (preferentially associated with quartz veinlets?)	0.5 - 1	10215	145.0	148.0	3.0	28	
			0.5 - 1	10216	148.0	152.3	4.3	46	
			1 - 3	10217	152.3	156.3	4.0	114	
156.3	179.6	<u>INTERMEDIATE TO MAFIC TUFF AND LAPILLI-TUFF</u> Similar to interval from 64.0' to 148.0' except more biotite (30-40%), less calcite (5-15%); also less dominant 'lapilli' (i.e., lighter grey lensoid bands and lenses) – intercalated with 65% fine-grained tuffaceous bands; sericite+quartz and calcite-rich lapilli present in strongly foliated (48°) feldspar+biotite+quartz+calcite matrix with common biotite-rich seams; with dominantly concordant to sub-concordant irregular brecciated/boudinaged quartz±calcite veinlets (appear to be early, i.e. deformed); in parts with minor (<5%) 1mm to 7mm pink garnet clots; with minor to common pyrite+pyrrhotite disseminated, in aggregates, in sulphide-rich lenses and in small massive sulphide clots 156.3' - 164.3': with 5-15% quartz±calcite veinlets, particularly above 160.3' – sulphide aggregates dominantly along contacts (remobilized?) rather than within veinlets; common pyrite+pyrrhotite-rich lenses, aggregates, massive clots; trace arsenopyrite, rare chalcopyrite below 160.3'; appearance of sulphides within 'lapilli' and matrix, as well as presence of black biotite-rich seams (argillite/mud?) suggests exhalite horizon 164.3' -179.6': generally more tuffaceous; generally fewer sulphidic bands, lenses; trace arsenopyrite at 179.2'  176.0' - 176.1'and 177.3' - 178.2': dark grey, fine-grained, homogeneous mafic to intermediate sills; finer grained toward margins; weakly foliated	3 - 6	10218	156.3	160.3	4.0	2503 (2146)	0.073 (0.063)
			1 - 4	10219	160.3	164.3	4.0	94	
			0.5 - 2	10220	164.3	168.4	4.1	921	0.027
			0.5 - 4	10221	168.4	172.5	4.1	283	
			0.5 - 1	10222	172.5	176.0	3.5	70	
			0.5 - 2	10223	176.0	179.6	3.6	15	

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
179.6	199.0	<p><u>INTERMEDIATE VOLCANICS</u>                      Grey, fine-grained, foliated (53°); 15% biotite, &lt;10% calcite; above 186.6' with 10-15% light grey quartz+calcite lenses and bands (lapilli?); probably tuff and lapilli-tuff; fewer and decreasing biotite seams (i.e., less schistose) than previous intervals; generally trace to nil pyrite+pyrrhotite                      179.6' - 184.6': with minor pyrite+pyrrhotite aggregates and sulphide-rich lenses</p>	0.5	10224	179.6	184.6	5.0	5	
	199.0	<u>END OF HOLE</u>							





<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
61.5	108.6	<p>to 1" wide (probable stretched lapilli) with a quartz+feldspar+biotite matrix; grades to tuff below 57'; typically 0.5% disseminated pyrite+pyrrhotite and minor sulphide-rich lenses</p> <p><u>INTERMEDIATE LAPILLI-TUFF AND TUFF</u>                      Grey to slightly brownish-grey, strongly foliated (average 47°); with probable stretched lapilli compositionally as above but calcareous lenses and bands dominant over smoky quartz bands and lenses; also, 'lapilli' generally &lt;5mm wide and increased biotite (20-35%) and calcite (10-20%); texture schistose; grades to tuff in parts; upper part lacks significant sulphides                      86.3' - 91.3': with 20% irregular, boudinaged milky quartz±calcite veinlets; trace - 0.5% pyrite±pyrrhotite, arsenopyrite                      96.3' - 104.5': with trace - 0.5% pyrite+pyrrhotite aggregates; trace arsenopyrite in sub-concordant quartz±calcite veinlet at 103.5'; rare chalcopryite at 99.2'</p>	trace - 0.5	10230	86.3	91.3	5.0	17	
			trace	10231	91.3	96.3	5.0	48	
			0.5	10232	96.3	100.4	4.1	50	
			trace	10233	100.4	104.5	4.1	57	
			trace	10234	104.5	108.6	4.1	36 (38)	
108.6	116.0	<p><u>FELDSPAR PORPHYRY</u>                      Light grey, fine-grained, weakly foliated and slightly sericitized felsic matrix with ~5% &lt;3mm anhedral to euhedral white feldspar phenocrysts; minor (&lt;3%) narrow to hairline quartz±calcite, tourmaline veinlets; 0.5% pyrite+pyrrhotite aggregates and lenses; trace arsenopyrite; all sulphides somewhat associated with veinlets but also isolated                      112.1' - 112.6': brecciated quartz+calcite+tourmaline vein with 1% pyrite+pyrrhotite ± arsenopyrite; sericitized (sheared?) upper and lower contacts (45° and 28°, respectively) – possible fault</p>	0.5 - 1	10235	108.6	112.8	4.2	15	
			0.5	10236	112.8	116.0	3.2	<5	
116.0	133.8	<p><u>INTERMEDIATE LAPILLI-TUFF</u>                      Slightly brownish-grey, fine-grained, generally strongly foliated (50°); lapilli similar to previous pyroclastics but quartz-rich, sericitic and calcareous fragments more proportionately equal and sizes commonly larger (i.e., wider bands versus lenses); biotite decreasing toward bottom; 10-15% irregular but dominantly concordant quartz±calcite veinlets                      120.4' - 133.8': pyrite+pyrrhotite disseminated and in sulphide-rich lapilli but also commonly in aggregates associated with veins and notably in a 0.5' brecciated biotite+calcite-rich zone (fault?) at 121.7' (concordant?); trace - 2% arsenopyrite (mainly below 124.8') in scattered aggregates but principally in bands and lenses (lapilli?) containing abundant extremely fine-grained concentrations at 125.6', 126.3' and 129.7'</p>	trace - 0.5	10237	116.0	120.4	4.4	145	
			1 - 5	10238	120.4	124.8	4.4	83	
			2 - 5	10239	124.8	129.3	4.5	1207	0.035
			1 - 3	10240	129.3	133.8	4.5	141	

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
133.8	199.0	<p><u>INTERMEDIATE TUFF</u>                      Grey (± faint brownish tinge), fine-grained, foliated (50°); 15-20% biotite generally (increasingly) in lenses rather than penetrative seams (i.e., not schistose); 3-10% calcite, interstitial and in narrow bands and lenses; with ~5% irregular calcite+quartz (±biotite, amphibole, tourmaline[?]) veinlets; typically pyrite+pyrrhotite occur as disseminated lenses and as aggregates associated with veins rather than in sulphide-rich lapilli (bands and lenses); minor arsenopyrite blebs (136.0', 148.6', 156.3', 159.4' - 159.8', 161.6', 162.1', 178.0' and 188.3')</p> <p>154.0' - 164.0': 5-10% irregular veinlets</p> <p>174.0' - 179.0': above average generally concordant quartz veining; also hairline cross-cutting fractures, silicification; finely 'powdered' arsenopyrite(?) and possible stibnite aggregates from 178.4' to 179.0'</p>							
			0.5 - 2	10241	133.8	139.0	5.2	25	
			trace - 2	10242	139.0	144.0	5.0	40	
			trace - 0.5	10243	144.0	149.0	5.0	135 (120)	
			trace - 0.5	10244	149.0	154.0	5.0	293	
			trace - 1	10245	154.0	159.0	5.0	7	
			0.5 - 2	10246	159.0	164.0	5.0	<5	
			trace - 1	10247	164.0	169.0	5.0	78	
			0.5 - 2	10248	169.0	174.0	5.0	15	
			1 - 3	10249	174.0	179.0	5.0	412	
			0.5 - 1	10250	179.0	184.0	5.0	16	
			trace - 0.5	10251	184.0	189.0	5.0	7	
			trace - 0.5	10252	189.0	194.0	5.0	7 (7)	
199.0		<u>END OF HOLE</u>							

**DRILLHOLE # H-96-7**

LOCATION: GRID: 28+35E, 9+60S      INCLINATION: collar -50°      STARTED: February 9, 1996      LOGGED BY: T.S. Jolliffe  
 AZIMUTH: 340°      279 feet -47.3°      FINISHED: February 10, 1996      CLAIM NO.: 14359 (Patented)  
 LENGTH: 319.0 feet (97.2 meters)

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
0.0	28.3	<u>CASING</u>							
28.3	121.1	<u>SILTSTONE / ARGILLITE</u> Banded dark smoky grey and lighter grey (finer argillaceous and coarser silty bands, respectively), thinly laminated (<1mm) to thickly bedded (up to 40cm); with ubiquitous pyrrhotite+pyrite (0.5-4%) disseminated, as coatings along laminae, as lenses and minor bands, as fillings in hairline cross-cutting fractures and as aggregates associated with quartz veinlets; minor, intermittently developed pink garnet clots (generally <3mm); generally very minor quartz±calcite fracture fillings; occasional intraformational folding (axes parallel bedding); laminated at average 46°* (30' to 80') and 42° (80' to 121.1'); character samples taken, as follows: 34.0' - 39.0': open to tight folds 54.0' - 59.0': typical 74.0' - 79.0': typical 98.5' - 107.5': with minor but above average quartz veinlets, sulphides  107.5' - 116.7': with intercalated coarser arenaceous (wacke) laminae, coarser biotite and quartz grains; coarser (still fine-grained) sulphides 116.7' - 121.1': predominant coarser wacke/volcaniclastic or intermediate tuff, trace - 1% disseminated pyrite							
121.1	129.3	<u>MAFIC VOLCANIC</u> Dark greenish-grey, fine-grained to medium-grained; weakly foliated (average 40°); minor	trace - 0.5	10259	124.3	129.3	5.0	<5	

\* all core angles measured as acute angle between core axis and planar feature

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
129.3	153.1	<p>compositional banding; coarser (1-2mm) amphibole (actinolite?) toward top – probable tuff, 35-50% amphibole+chlorite; trace - 0.5% disseminated pyrite+pyrrhotite</p> <p><u>SILTSTONE / ARGILLITE</u>                      Similar to interval from 28.8' to 121.1' except darker laminae more blackish-grey (possibly slightly graphitic); also, irregular but dominantly concordant quartz veinlets more common in parts; laminae slightly contorted in parts (core angles 35°- 70°: average 40°); sulphides as before but slightly more common                      130.4' 131.2': medium-grained amphibole+chlorite-rich mafic tuff with 2% pyrrhotite+pyrite in lenses and disseminated; garnetiferous                      133.8' - 138.3': with 10% quartz veinlets – granular, recrystallized; includes 0.2' greenish (chloritic?) mud seam at 136.7'</p>	0.5 - 3	10260	129.3	133.8	4.5	<5	
			1 - 4	10261	133.8	138.3	4.5	<5 (<5)	
			1 - 2	10262	138.3	143.3	5.0	8	
			0.5 - 3	10263	143.3	148.3	5.0	<5	
			0.5 - 2	10264	148.3	153.1	4.8	<5	
153.1	159.2	<p><u>FELSITE DYKE</u>                      Whitish-grey, fine-grained, weakly foliated; some incipient sericitization; lacks phenocrysts; upper contact irregular (~23°), lower contact concordant; somewhat fractured in parts, with quartz±amphibole fillings; 0.5 - 2% pyrite+pyrrhotite disseminated and in aggregates, especially associated with quartz fracture fillings and veinlets</p>	1 - 2	10265	153.1	156.2	3.1	16	
			0.5 - 2	10266	156.2	159.2	3.0	60	
159.2	319.0	<p><u>SILTSTONE / ARGILLITE</u>                      Upper part (above 207.2') similar to interval from 28.3' to 121.1', laminated at average 41°; lower part also similar in parts but with common brecciated intervals (recrystallized quartz+amphibole+chlorite fracture fillings) and contorted/folded bands; borderline mafic tuff / volcanoclastic; more commonly garnetiferous; pyrrhotite &gt; pyrite                      159.2' - 169.2': with minor recrystallized quartz±chlorite, amphibole, biotite veinlets/fracture fillings; above average sulphides                      190.5' - 195.5': above average sulphides                      207.2' - 295.4': with common brecciated intervals                      207.8' - 209.7': mafic dyke: dark greenish-grey/black, fine-grained grading to medium-grained;</p>	0.5 - 2	10267	159.2	164.2	5.0	6	
			0.5 - 2	10268	164.2	169.2	5.0	5	
			1 - 2	10269	190.5	195.5	5.0	13	
			trace - 2	10270	207.2	212.2	5.0	6 (5)	

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
		40-70% chlorite+biotite+amphibole; foliated to massive, concordant; trace disseminated pyrite	0.5-2	10271	212.2	217.2	5.0	36	
			0.5-2	10272	217.2	222.2	5.0	19	
			0.5-2	10273	222.2	227.2	5.0	9	
			0.5-2	10274	227.2	232.2	5.0	12	
			0.5-2	10275	232.2	237.2	5.0	40	
			0.5-1	10276	237.2	242.2	5.0	17	
			0.5-2	10277	242.2	247.2	5.0	27	
			0.5-2	10278	247.2	252.2	5.0	71	
		257.2' - 267.7': above average brecciation, quartz veining	0.5-1	10279	252.2	257.2	5.0	28 (22)	
			0.5-2	10280	257.2	262.2	5.0	23	
			0.5-2	10281	262.2	267.2	5.0	23	
			0.5-2	10282	267.2	272.2	5.0	78	
			0.5-3	10283	272.2	277.2	5.0	23	
			0.5-2	10284	277.2	282.2	5.0	42	
		287.2' - 295.4': as above	0.5-2	10285	282.2	287.2	5.0	22	
			0.5-2	10286	287.2	291.3	4.1	369	0.011
			0.5-3	10287	291.3	295.4	4.1	567	0.017
		295.4' - 319.0': generally unconforted; laminated at average 50°; minor quartz veining	0.5-1	10288	295.4	299.7	4.3	8 (7)	
			0.5-4	10289	299.7	304.0	4.3	43	
			0.5-2	10290	304.0	309.0	5.0	5	
			0.5-1	10291	309.0	314.0	5.0	30	
			0.5-1	10292	314.0	319.0	5.0	15	
319.0		<u>END OF HOLE</u>							

**DRILLHOLE # H-96-8**

LOCATION: GRID: 42+00W, 19+00S      INCLINATION: collar      -50.0°      STARTED: February 13, 1996      LOGGED BY: T.S. Jolliffe  
 AZIMUTH: 340°      249 feet      -41.0°      FINISHED: February 14, 1996      CLAIM NO.: 14380 (Patented)  
 LENGTH: 499.0 feet (152.1 meters)      499 feet:      -37.8°

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
0.0	63.8	<u>CASING</u>							
63.8	95.3	<u>SILTSTONE</u> Light and dark grey banded, very fine-grained, thinly laminated (<1mm) to thinly bedded (up to 8cm) at average core angle* 40°; typically 0.5 - 1% pyrite+pyrrhotite disseminated and as coatings along bedding planes and cross-fractures 65.4' - 66.4': dark brownish-grey/black, medium-grained, foliated mafic tuff 68.8' - 73.5': with minor (<5%) quartz veining, silicification 70.0' - 70.9': intraformational breccia or fault: angular siltstone fragments in quartz±calcite matrix; upper contact concordant, lower contact concordant to sub-parallel core axis; trace pyrite	0.5 - 1	10293	63.8	68.5	4.7	6	
			0.5 - 1	10294	68.5	73.5	5.0	<5	
95.3	142.4	<u>INTERLAYERED MAFIC VOLCANICS AND SILTSTONE</u> Dark greenish-grey/black, fine- to medium-grained, foliated to massive mafic tuff and massive (± amygdaloidal) flows; 40-70% chlorite+amphibole±biotite; 3-7% calcite; generally with trace - 0.5% disseminated pyrite+pyrrhotite Interlayered with siltstone similar to interval from 63.8, to 95.3, as follows: 98.8' - 101.1', 118.0' - 123.2', 136.8' - 138.0' and 139.5' - 142.4'; foliated/laminated at 45° 103.5' - 108.5': above average (10%) calcite+quartz veinlets, fracture fillings; veinlets dominantly concordant 117.9' - 123.2': siltstone: includes brecciated interval with quartz fracture fillings from 120.5' to 121.4' 130.3' - 135.8' with glassy quartz veins (late), notably from 134.0' to 135.3', sub-parallel to core axis	trace	10295	103.5	108.5	5.0	<5	
			0.5 - 2	10296	117.9	123.2	5.3	<5	
			trace	10297	130.3	135.8	5.5	<5	

\* all core angles measured as acute angle between core axis and planar feature

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
142.4	217.4	<p><b>MAFIC VOLCANICS</b></p> <p>Similar to mafic volcanics from 95.3' to 142.4', except with common (dominant) pillowed (<math>\pm</math>amygdaloidal) flows below 153.5'; pillow selvages 0.5-5cm wide, chlorite+amphibole-rich; some silicification in parts but selvages and amygdules indicate primary mafic composition; generally with pyrite+pyrrhotite disseminated but commonly with 1 - 2% coarser sulphide aggregates in pillow selvages; foliated at average 50°</p> <p>145.3' - 150.5': with 5% dominantly concordant quartz+calcite<math>\pm</math>tourmaline veinlets</p> <p>156.5' - 161.5': with minor quartz veinlets; includes above average sulphides (associated with pillow selvages); minor silicification</p> <p>196.7' - 201.2': with interlayered minor siltstone (typical)</p> <p>197.4' - 199.6': mafic dyke: dark brownish-grey/black, homogeneous, fine-grained, with medium- to coarse-grained biotite clots; 35-50% biotite<math>\pm</math>amphibole, calcareous; concordant; trace pyrite</p> <p>206.0' - 210.7': feldspar porphyry: light brownish-grey, weakly foliated; 5% 1-2mm anhedral to euhedral whitish feldspar phenocrysts; 10-15% biotite; trace pyrite; upper contact obscured (broken core); lower contact concordant to cross-cutting (sub-perpendicular to core axis)</p> <p>210.7' - 217.4': silicified or grading to intermediate composition (but amygdaloidal in parts); with interlaminated siltstone toward bottom</p>	trace - 2	10298	145.3	150.5	5.2	<5	
			trace - 2	10299	156.5	161.5	5.0	<5	
			trace - 1	10300	196.7	201.2	4.5	<5	
			trace	10301	206.0	210.7	4.7	<5	
217.4	431.1	<p><b>INTERMEDIATE TUFF AND LAPILLI-TUFF</b></p> <p>Grey, fine-grained, foliated at average 50°; fine-grained feldspar+quartz+biotite <math>\pm</math> calcite, amphibole, chlorite (15-25% mafic minerals) matrix with coarse biotite lenses <math>\pm</math> seams; variable (0 -50%) highly stretched lapilli (i.e. lenses and bands) dominantly &lt;0.5cm wide (short axis); lapilli dominantly light grey (+slight greenish tinge) composed of fine-grained calcite+quartz+amphibole (actinolite?) <math>\pm</math> chlorite; less common smoky grey quartz-rich lapilli also present; lapilli give sections a streaked to banded appearance; generally &lt;5% quartz+calcite veinlets – predominantly concordant, often irregular, lensoid (boudinaged?); upper part (above 254.0') with trace to 0.5% disseminated pyrite+pyrrhotite</p> <p>224.0' - 229.0': with hairline small fault sub-parallel to core axis, quartz fracture filling and minor pyrite aggregates</p> <p>254.0' - 269.0': with intermittent pyrite- or pyrrhotite-rich lapilli (particularly at 257.3')</p> <p>259.0' - 269.0': with common to dominant intercalated typical siltstone laminae (core angle 47°)</p>	trace - 0.5	10302	224.0	229.0	5.0	<5 (6)	
			trace - 0.5	10303	249.0	254.0	5.0	<5	
			trace - 5	10304	254.0	259.0	5.0	5	
			trace - 1	10305	259.0	264.0	5.0	<5	



<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
		274.0' - 353.5': with periodic sulphide-rich lapilli (medium-grained and very fine-grained lenses and bands); increasing brownish tinge (biotite); below about 279.0' increasing biotite-rich seams (gradational toward mafic composition); becoming strongly foliated, schistose (average 50°), more calcareous; more sulphidic intervals correspond to presence of coarser pyroclastics (i.e. lapilli-tuff ) 289.0' - 294.0': with 0.3' wide sericitized fine-grained felsic band (volcanic? sill?) at 290.7' 295.0' - 295.4': irregular quartz ± calcite, chlorite, biotite veinlet 301.6' - 303.9': common irregular quartz+calcite+chlorite+amphibole veinlets(?) with pyrite+pyrrhotite aggregates  314.3' - 315.4': intermediate dyke: grey, fine-grained, homogeneous; 20-30% biotite+chlorite+amphibole; trace pyrite; upper contact 60°, lower contact 30°, slightly cross-cutting  341.0' - 345.5': with hairline quartz+calcite fracture filling (core angle 17°) at 341.3' containing common <1mm arsenopyrite blebs; arsenopyrite also as minor blebs disseminated in matrix; minor very fine-grained arsenopyrite-rich lenses in matrix at 342.3'; overall <0.5% arsenopyrite; pyrite+pyrrhotite increasing as disseminated lenses in matrix but most commonly as aggregates (± rare arsenopyrite) in quartz+calcite ± amphibole, chlorite lapilli 345.5' - 353.3': dominantly lapilli-tuff compositionally as above, except more common (subsidiary) sulphidic quartz+sericite/feldspar lapilli; sulphides as above, except arsenopyrite appears more commonly with other sulphides within lapilli; 'powdery' fine-grained arsenopyrite lenses not observed (overall <0.5% arsenopyrite); within lapilli, pyrite+pyrrhotite (± arsenopyrite) aggregates appear in parts to be cementing boxworks matrix surrounding brecciated fragments; tuff matrix biotite-rich (grading to mafic composition) 353.5' - 371.0': predominantly tuff 353.5' - 354.5': with trace <1mm arsenopyrite blebs	0.5 - 2	10306	264.0	269.0	5.0	<5	
			trace - 0.5	10307	269.0	274.0	5.0	13	
			0.5 - 3	10308	274.0	279.0	5.0	93	
			0.5 - 3	10309	279.0	284.0	5.0	171	
			trace - 1	10310	284.0	289.0	5.0	15	
			0.5 - 2	10311	289.0	294.0	5.0	47 (30)	
			trace - 0.5	10312	294.0	299.0	5.0	38	
			0.5 - 4	10313	299.0	304.0	5.0	8	
			trace 0.5	10314	304.0	309.0	5.0	10	
			trace 0.5	10315	309.0	314.0	5.0	12	
			trace 0.5	10316	314.0	319.0	5.0	8	
			trace 0.5	10317	319.0	323.4	4.4	8	
			trace - 1	10318	323.4	327.8	4.4	54	
			trace - 2	10319	327.8	332.2	4.4	34	
			trace 0.5	10320	332.2	336.6	4.4	5 (6)	
		trace 0.5	10321	336.6	341.0	4.4	7		
		0.5 - 3	10322	341.0	345.5	4.5	66		
		1 - 5	10323	345.5	349.5	4.0	59		
		1 - 5	10324	349.5	353.5	4.0	58		
		trace - 0.5	10325	353.5	356.9	3.4	11		

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
		356.9' - 371.0': with greenish tinge (amphibole+chlorite > biotite); homogeneous, weakly foliated (flow?) in part; trace - 0.5% disseminated pyrite+pyrrhotite; gradational to mafic composition	trace - 0.5	10326	356.9	361.6	4.7	8	
		363.2' - 364.1': feldspar porphyry: typical except with minor pink garnets	trace - 0.5	10327	361.6	366.3	4.7	11	
			trace - 0.5	10328	366.3	371.0	4.7	17	
		371.0' - 382.5': ~10% calcite+quartz and quartz lapilli; minor blebs and several lenses bands of extremely fine-grained ('powdery') arsenopyrite (possibly >1% but cannot be easily distinguished from other sulphides or biotite-rich matrix); minor blebs of steel grey metallic mineral (stibnite?) at 377.3'	1 - 3	10329	371.0	375.0	4.0	413 (414)	0.012
			0.5 - 3	10330	375.0	379.0	4.0	376	0.011
		379.5' - 380.4': diorite / granodiorite dyke: mottled light/dark grey, medium-grained to coarse-grained, homogeneous; 15-20% biotite; chilled margins; with minor blebs of arsenopyrite	0.5 - 2	10331	379.0	382.5	3.5	18	
		382.5' - 416.3': tuff (minor lapilli): brownish grey/black; calcareous (15-25%), biotite-rich (grading to mafic composition); finely foliated at average 55°; generally trace - 1% pyrite+pyrrhotite dominantly associated with small lapilli; occasional small arsenopyrite blebs (383.5', 395.7', 403.0', 405.4', 407'-408', 412.7')	trace - 0.5	10332	382.5	386.5	4.0	19	
		389.9' - 391.2': feldspar porphyry sill: typical, except cut by irregular 0.5' wide milky to vitreous quartz ± amphibole, chlorite, calcite vein at 390.6' with common blebs of pyrrhotite and arsenopyrite (+ stibnite?) and rare chalcopyrite	trace - 1	10333	386.5	391.5	5.0	15	
			trace - 1	10334	391.5	396.5	5.0	16	
		396.5' - 431.1': amphibole+chlorite becoming common in parts	trace	10335	396.5	401.5	5.0	<5	
		405.4': 0.1' cross-cutting quartz veinlet with minor pyrrhotite and arsenopyrite blebs; core angle ~50° (oblique to foliation)	trace - 0.5	10336	401.5	406.5	5.0	8	
		406.5' - 416.5': with trace - 0.5% arsenopyrite in blebs and 'powdery' lenses/bands from 407' to 408' and 412.7' (possibly more – difficult to distinguish very fine-grained arsenopyrite from other sulphides and biotite-rich matrix)	trace - 2	10337	406.5	411.5	5.0	40	
			trace - 1	10338	411.5	416.5	5.0	32 (32)	
		416.5' - 419.3': siltstone / argillite: typical except with trace blebs of arsenopyrite	1 - 2	10339	416.5	419.3	2.8	6	
		419.3' - 431.1': dominant lapilli-tuff: lapilli(?) larger than typical (commonly 5mm to 3cm) consisting predominantly of light greenish-grey calcite+quartz+chlorite+amphibole (actinolite?) with subsidiary smoky quartz lapilli, in fine-grained blackish biotite-rich matrix; subsidiary tuff; also minor felsic tuff(?) from 423.5' to 424.9'; appears to be trace - 1% fine-grained disseminated sulphides (possibly more but hard to distinguish from background); larger pyrite+pyrrhotite aggregates and lenses in lapilli	trace - 1	10340	419.3	423.3	4.0	22	
			trace - 1	10341	423.3	427.2	3.9	20	
			trace - 0.5	10342	427.2	431.1	3.9	7	

<u>INTER-SECTION</u>		DESCRIPTION	<u>SAMPLE</u>					<u>ASSAY</u>	
From (feet)	To (feet)		% Sulphides	Number	From (feet)	To (feet)	Width (feet)	Au ppb (check)	Au opt
431.1	451.3	<u>MAFIC VOLCANIC</u> Dark greenish-grey/black, fine- to medium-grained, strongly foliated (average 52°); 40-60% chlorite+amphibole±biotite; streaked with 10-25% light grey calcite+quartz bands and lenses – could be either very stretched lapilli or deformed (boudinaged) veinlets; generally with nil to trace disseminated pyrite+pyrrhotite	trace	10343	431.1	436.1	5.0	9	
451.3	456.5	<u>FELDSPAR PORPHYRY</u> Grey, fine-grained, very weakly foliated; matrix darker grey than typical (10-15% fine-grained biotite); with more common (10-25%) and larger (up to 5mm) euhedral to anhedral whitish feldspar phenocrysts; concordant sill; trace - 0.5% disseminated pyrite+pyrrhotite; with minor irregular vitreous quartz ± chlorite, amphibole veinlets, including sub-parallel to core axis	trace - 0.5	10344	451.3	456.5	5.2	<5	
456.5	499.0	<u>MAFIC VOLCANIC</u> Similar to interval from 431.1' to 451.3' except calcite+quartz bands and lenses less regularly developed in parts – suggests intensely banded areas are a deformation feature; foliated at average 57° 462.3' - 477.3': stronger than average foliation with more intense calcite+quartz banding; some silicification associated with banding 462.7' - 463.4': intermediate sill: typical 466.0' - 466.5': with minor irregular but approximately concordant quartz+calcite+chlorite veinlets 476.7': 0.3' concordant quartz+calcite+tourmaline veinlet  489.0' - 494.0': with irregular vitreous quartz+calcite+chlorite±tourmaline veinlet up to 0.2' wide sub-parallel to core axis; minor associated pyrite+pyrrhotite, mainly in wallrock; 1 speck possible visible gold in veinlet at 491.3'	trace	10345	462.3	467.3	5.0	9	
			trace	10346	467.3	472.3	5.0	39	
			trace	10347	472.3	477.3	5.0	5 (18)	
			trace	10348	477.3	489.0	5.0	7	
			trace - 0.5	10349	489.0	494.0	5.0	23	<0.001 [0.052]*
			trace	10350	494.0	499.0	5.0	26	
499.0		<u>END OF HOLE</u>							

\* [ ] = combined pulp-metallics assay

APPENDIX C

ANALYTICAL CERTIFICATES



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
FAX (807) 623-6820

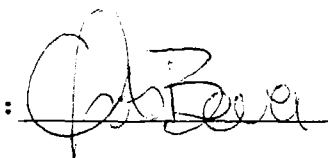
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February 8, 1996

Job #964118

TSJ CONSULTANTS  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t
1	10001	5	<0.001
2	10002	6	<0.001
3	10003	<5	<0.001
4	10004	10	<0.001
5	10005	<5	<0.001
6	10006	22	<0.001
7	10007	<5	<0.001
8	10008	<5	<0.001
9	10009	9	<0.001
10	10010	<5	<0.001
11	Check 10010	<5	<0.001
12	10011	7	<0.001
13	10012	9	<0.001
14	10013	21	<0.001
15	10014	16	<0.001
16	10015	14	<0.001
17	10016	8	<0.001
18	10017	<5	<0.001
19	10018	12	<0.001
20	10019	29	<0.001
21	Check 10019	21	<0.001
22	10020	25	<0.001
23	10021	20	<0.001
24	10022	20	<0.001
25	10023	15	<0.001
26	10024	38	0.001
27	10025	20	<0.001
28	10026	17	<0.001
29	10027	11	<0.001

Certified By: 



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
FAX (807) 623-6820

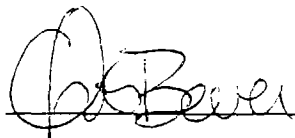
Page 2

February 8, 1996

Job #964118

TSJ CONSULTANTS  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t	
	30	10028	12	<0.001
	31 Check	10028	14	<0.001
	32	10029	18	<0.001
	33	10030	10	<0.001
	34	10031	41	0.001
	35	10032	9	<0.001
	36	10033	16	<0.001
	37	10034	14	<0.001
	38	10035	8	<0.001
	39	10036	8	<0.001
	40	10037	56	0.002
	41 Check	10037	60	0.002
	42	10038	534	0.016
	43	10039	16	<0.001
	44	10040	12	<0.001
	45	10041	13	<0.001
	46	10042	7	<0.001
	47	10043	681	0.020
	48	10044	258	0.008
	49	10045	128	0.004
	50	10046	1265	0.037
	51 Check	10046	1358	0.040
	52	10047	95	0.003
	53	10048	25	<0.001
	54	10049	40	0.001
	55	10050	276	0.008
	56	10051	3139	0.092
	57	10052	1061	0.031
	58	10053	90	0.003

Certified By: 

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
FAX (807) 623-6820

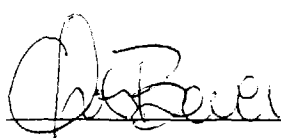
Page 3

TSJ CONSULTANTS  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

February 8, 1996

Job #964118

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t
59	10054	14	<0.001
60	10055	10	<0.001
61 Check	10055	11	<0.001
62	10056	8	<0.001
63	10057	11	<0.001

Certified By: 



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
FAX (807) 623-6820


Page 1

February 12, 1996

Job #964128

TSJ CONSULTANTS  
400-2 TORONTO, ST  
TORONTO, ONTARIO  
M5C 2B6

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t	
	1	10058	15	<0.001
	2	10059	6	<0.001
	3	10060	18	<0.001
	4	10061	10	<0.001
	5	10062	7	<0.001
	6	10063	5	<0.001
	7	10064	9	<0.001
	8	10065	19	<0.001
	9	10066	<5	<0.001
	10	10067	7	<0.001
	11 Check	10067	8	<0.001
	12	10068	155	0.005
	13	10069	19	<0.001
	14	10070	<5	<0.001
	15	10071	24	<0.001
	16	10072	15	<0.001
	17	10073	11	<0.001
	18	10074	18	<0.001
	19	10075	<5	<0.001
	20	10076	<5	<0.001
	21 Check	10076	8	<0.001
	22	10077	29	<0.001
	23	10078	7	<0.001
	24	10079	11	<0.001
	25	10080	25	<0.001
	26	10081	6	<0.001
	27	10082	<5	<0.001
	28	10083	7	<0.001
	29	10084	20	<0.001

Certified By: 




TSJ CONSULTANTS  
400-2 TORONTO, ST  
TORONTO, ONTARIO  
M5C 2B6

February 9, 1996

Job #964123

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t
30	10085	6	<0.001
31 Check	10085	6	<0.001
32	10086	131	0.004
33	10087	662	0.019
34	10088	971	0.028
35	10089	40	0.001
36	10090	27	<0.001
37	10091	1007	0.029
38	10092	8927	0.260
39	10093	792	0.023
40	10094	193	0.006
41 Check	10094	236	0.007
42	10095	39	0.001
43	10096	1550	0.045
44	10097	49	0.001
45	10098	26	<0.001
46	10099	46	0.001
47	10100	572	0.017
48	10101	8	<0.001
49	10102	23	<0.001
50	10103	14	<0.001
51 Check	10103	15	<0.001
52	10104	9	<0.001

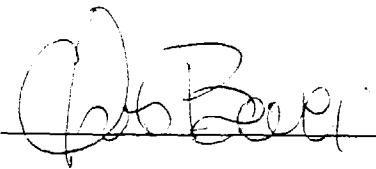
Certified By:  \_\_\_\_\_

TSJ CONSULTANTS  
400-2 TORONTO, ST  
TORONTO, ONTARIO  
M5C 2B6

February 9, 1996

Job #964123

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t
	1 10105	<5	<0.001
	2 10106	<5	<0.001
	3 10107	<5	<0.001
	4 10108	6	<0.001
	5 10109	<5	<0.001
	6 10110	5	<0.001
	7 10111	<5	<0.001
	8 10112	10	<0.001
	9 10113	<5	<0.001
	10 10114	<5	<0.001
	11 Check 10114	**	*****
	12 10115	<5	<0.001
	13 10116	6	<0.001
	14 10117	<5	<0.001
	15 10118	<5	<0.001
	16 10119	5	<0.001
	17 10120	<5	<0.001
	18 10121	9	<0.001
	19 10122	13	<0.001
	20 10123	<5	<0.001
	21 Check 10123	6	<0.001
	22 10124	8	<0.001
	23 10125	10	<0.001
	24 10126	29	<0.001
	25 10127	17	<0.001
	26 10128	34	<0.001
	27 10129	9	<0.001
	28 10130	6	<0.001
	29 10131	23	<0.001

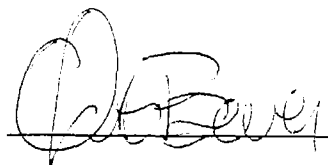
Certified By: 

TSJ CONSULTANTS  
400-2 TORONTO, ST  
TORONTO, ONTARIO  
M5C 2B6

February 9, 1996

Job #964123

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t	
	30	10132	<5	<0.001
	31 Check	10132	<5	<0.001
	32	10133	<5	<0.001
	33	10134	<5	<0.001
	34	10135	<5	<0.001
	35	10136	16	<0.001
	36	10137	<5	<0.001
	37	10138	11	<0.001
	38	10139	11	<0.001
	39	10140	<5	<0.001
	40	10141	<5	<0.001
	41 Check	10141	<5	<0.001
	42	10142	16	<0.001
	43	10143	138	0.004
	44	10144	107	0.003
	45	10145	105	0.003
	46	10146	202	0.006
	47	10147	41	0.001
	48	10148	527	0.015
	49	10149	17	<0.001
	50	10150	285	0.008
	51 Check	10150	306	0.009
	52	10151	32	<0.001
	53	10152	36	0.001
	54	10153	560	0.016
	55	10154	275	0.008
	56	10155	1603	0.047
	57	10156	50	0.001
	58	10157	30	<0.001

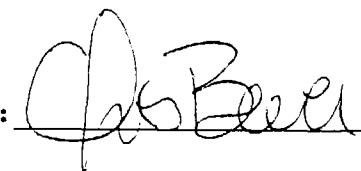
Certified By:  \_\_\_\_\_

TSJ CONSULTANTS  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

February 16, 1996

Job #964147

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t
	1 10158	19	<0.001
	2 10159	7	<0.001
	3 10160	11	<0.001
	4 10161	18	<0.001
	5 10162	45	0.001
	6 10163	55	0.002
	7 10164	14	<0.001
	8 10165	25	<0.001
	9 10166	47	0.001
	10 10167	25	<0.001
	11 Check 10167	40	0.001
	12 10168	13	<0.001
	13 10169	28	<0.001
	14 10170	13	<0.001
	15 10171	19	<0.001
	16 10172	10	<0.001
	17 10173	9	<0.001
	18 10174	63	0.002
	19 10175	221	0.006
	20 10176	215	0.006
	21 Check 10176	568	0.017
	22 10177	430	0.013
	23 10178	55	0.002
	24 10179	10	<0.001
	25 10180	13	<0.001
	26 10181	5	<0.001
	27 10182	6	<0.001
	28 10183	6	<0.001
	29 10184	<5	<0.001

Certified By: 



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 5G3  
PHONE (807) 623-6448  
FAX (807) 623-6820

Page 2

TSJ CONSULTANTS  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

February 16, 1996

Job #964147

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t
30	10185	5	<0.001
31 Check	10185	6	<0.001
32	10186	<5	<0.001
33	10187	10	<0.001
34	10188	17	<0.001
35	10189	28	<0.001
36	10190	20	<0.001
37	10191	8	<0.001
38	10192	7	<0.001
39	10193	6	<0.001
40	10194	6	<0.001
41 Check	10194	6	<0.001
42	10195	10	<0.001
43	10196	7	<0.001
44	10197	7	<0.001
45	10198	<5	<0.001
46	10199	<5	<0.001

Certified By:



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
FAX (807) 623-6820

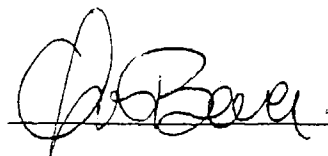
Page 1

February 16, 1996

Job #964146

TSJ CONSULTANTS  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t	
	1	10200	<5	<0.001
	2	10201	5	<0.001
	3	10202	6	<0.001
	4	10203	18	<0.001
	5	10204	9	<0.001
	6	10205	15	<0.001
	7	10206	13	<0.001
	8	10207	10	<0.001
	9	10208	8	<0.001
	10	10209	12	<0.001
	11 Check	10209	13	<0.001
	12	10210	9	<0.001
	13	10211	18	<0.001
	14	10212	13	<0.001
	15	10213	840	0.024
	16	10214	27	<0.001
	17	10215	28	<0.001
	18	10216	46	0.001
	19	10217	114	0.003
	20	10218	2503	0.073
	21 Check	10218	2146	0.063
	22	10219	94	0.003
	23	10220	921	0.027
	24	10221	283	0.008
	25	10222	70	0.002
	26	10223	15	<0.001
	27	10224	5	<0.001

Certified By: 



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
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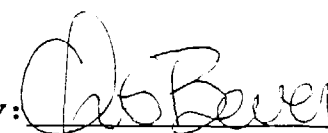
Page 1

TSJ CONSULTANTS  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

February 19, 1996

Job #964160

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t	
	1	10225	10	<0.001
	2	10226	6	<0.001
	3	10227	23	<0.001
	4	10228	7	<0.001
	5	10229	6	<0.001
	6	10230	17	<0.001
	7	10231	48	0.001
	8	10232	50	0.001
	9	10233	57	0.002
	10	10234	36	0.001
	11 Check	10234	38	0.001
	12	10235	15	<0.001
	13	10236	<5	<0.001
	14	10237	145	0.004
	15	10238	83	0.002
	16	10239	1207	0.035
	17	10240	141	0.004
	18	10241	25	<0.001
	19	10242	40	0.001
	20	10243	135	0.004
	21 Check	10243	120	0.003
	22	10244	293	0.009
	23	10245	7	<0.001
	24	10246	<5	<0.001
	25	10247	78	0.002
	26	10248	15	<0.001
	27	10249	412	0.012
	28	10250	16	<0.001
	29	10251	7	<0.001

Certified By: 



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
FAX (807) 623-6820

Page 2

TSJ CONSULTANTS  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

February 19, 1996

Job #964160

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t
	30		
	31 Check		
	32		
	33		
	34		
	35		
	36		
	37		
	38		
	39		
	40		
	41 Check		
	42		
	43		
	44		
	45		
	46		
	47		
	48		
	49		
	50		
	51 Check		
	52		
	53		
	54		
	55		
	56		
	57		
	58		
	59		

Certified By: Chris Bever



1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
FAX (807) 623-6820

Page 3

TSJ CONSULTANTS  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

February 19, 1996

Job #964160

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t
60	10279	28	<0.001
61	Check 10279	22	<0.001
62	10280	23	<0.001
63	10281	23	<0.001
64	10282	78	0.002
65	10283	23	<0.001
66	10284	42	0.001
67	10285	22	<0.001
68	10286	369	0.011
69	10287	567	0.017
70	10288	8	<0.001
71	Check 10288	7	<0.001
72	10289	43	0.001
73	10290	5	<0.001
74	10291	30	<0.001
75	10292	15	<0.001

Certified By: 



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
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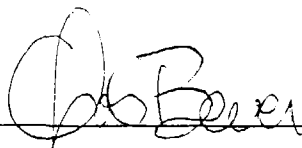
Page 1

February 19, 1996

Job #964161

TSJ CONSULTANTS  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t
	1 10293	6	<0.001
	2 10294	<5	<0.001
	3 10295	<5	<0.001
	4 10296	<5	<0.001
	5 10297	<5	<0.001
	6 10298	<5	<0.001
	7 10299	<5	<0.001
	8 10300	<5	<0.001
	9 10301	<5	<0.001
	10 10302	<5	<0.001
	11 Check 10302	6	<0.001
	12 10303	<5	<0.001
	13 10304	5	<0.001
	14 10305	<5	<0.001
	15 10306	<5	<0.001
	16 10307	13	<0.001
	17 10308	93	0.003
	18 10309	171	0.005
	19 10310	15	<0.001
	20 10311	47	0.001
	21 Check 10311	30	<0.001
	22 10312	38	0.001
	23 10313	8	<0.001
	24 10314	10	<0.001
	25 10315	12	<0.001
	26 10316	8	<0.001
	27 10317	8	<0.001
	28 10318	54	0.002
	29 10319	34	<0.001

Certified By: 

TSJ CONSULTANTS  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

February 19, 1996

Job #964161

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t	
	30	10320	5	<0.001
	31 Check	10320	6	<0.001
	32	10321	7	<0.001
	33	10322	66	0.002
	34	10323	59	0.002
	35	10324	58	0.002
	36	10325	11	<0.001
	37	10326	8	<0.001
	38	10327	11	<0.001
	39	10328	17	<0.001
	40	10329	413	0.012
	41 Check	10329	414	0.012
	42	10330	376	0.011
	43	10331	18	<0.001
	44	10332	19	<0.001
	45	10333	15	<0.001
	46	10334	16	<0.001
	47	10335	<5	<0.001
	48	10336	8	<0.001
	49	10337	40	0.001
	50	10338	32	<0.001
	51 Check	10338	32	<0.001
	52	10339	6	<0.001
	53	10340	22	<0.001
	54	10341	20	<0.001
	55	10342	7	<0.001
	56	10343	9	<0.001
	57	10344	<5	<0.001
	58	10345	9	<0.001
	59	10346	39	0.001

Certified By:  \_\_\_\_\_



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
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Page 3

February 19, 1996

Job #964161

TSJ CONSULTANTS  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

Accurassay	SAMPLE # Customer	Gold ppb	Gold Oz/t
60	10347	5	<0.001
61 Check	10347	18	<0.001
62	10348	7	<0.001
63	10349	23	<0.001
64	10350	26	<0.001

Certified By: \_\_\_\_\_

*Bob Brewer*



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
FAX (807) 623-6820

Page 1

T.S.J. CONSULTANTS LTD.  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

February 28, 1996

Job #964212

## METALLICS GOLD

		#1 Pulp Assay oz/t	#2 Pulp Assay oz/t	Metallics Assay oz/t	Total oz/t	% Met.in Pulp
Accurassay Customer						
1	10051	0.082	0.085	0.110	0.085	5.68
2	10052	0.014	0.013	0.005	0.013	2.07
3	10091	0.026	0.029	0.029	0.028	5.10
4	10092	0.258	0.269	0.238	0.261	11.8
5	10093	0.022	0.021	0.036	0.022	0.316
6	10349	0.050	0.049	0.120	0.052	3.68

Certified By:



# ACCURASSAY LABORATORIES

A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
FAX (807) 623-6820

Page 1

February 19, 1996

Job #964160

TSJ CONSULTANTS  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

SAMPLE #	
Accurassay	Customer
1	10249

Antimony  
ppm  
<2

Certified By: \_\_\_\_\_

*C. Breen*



1070 LITHIUM DRIVE, UNIT 2  
THUNDER BAY, ONTARIO P7B 6G3  
PHONE (807) 623-6448  
FAX (807) 623-6820

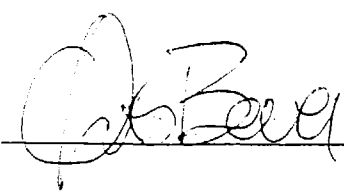
Page 1

TSJ CONSULTANTS  
400-2 TORONTO ST.  
TORONTO, ONTARIO  
M5C 2B6

February 8, 1996

Job #964118

SAMPLE #		Silver
Accurassay	Customer	ppm
1	10009	<1

Certified By:  \_\_\_\_\_



APPENDIX D

CERTIFICATE OF QUALIFICATION

CERTIFICATE OF QUALIFICATION

I, THOMAS S. JOLLIFFE, OF 2302 - 7 CONCORDE PLACE, DON MILLS, ONTARIO, CERTIFY THAT:

1. I am a 1971 graduate of Queen's University with the degree of Bachelor of Science (Geological Engineering).
2. I have worked as an exploration and mine geologist since 1971.
3. I supervised the diamond drilling program on the Koval Property January 29<sup>th</sup> to February 14<sup>th</sup>, 1996.
4. The statements contained in this report, and the conclusions reached, are based upon the field work and a comprehensive study of all relevant assessment work records, as well as geological reports and maps published by the Ontario government.
5. In this report I have disclosed all relevant descriptive and interpretive material which is, to the best of my knowledge, necessary to gain a complete understanding of the viability of the project and the recommendations.

DATED THIS        DAY OF        , 19

T. S. Jolliffe, B.Sc.(Eng.)

Geologist



# Report of Work Conducted After Recording Claim

Transaction Number

W9630.00050

## Mining Act

Personal information collected on this form is obtained under the authority of the Access to Information Act. This collection should be directed to the Provincial Manager, Mining Law, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.



about  
reel.

52002NE0011 W9630-00050 MATAPESATAKUN BAY

900

- Instructions:**
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for requirements of mining assessment work or consult the Mining Recorder.
  - A separate copy of this form must be completed for each Work Group.
  - Technical reports and maps must accompany this form in duplicate.
  - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) Moss Resources Inc. / Lac Properties Inc.		Client No. 300898 / 300999
Address 400 - 2 Toronto ST., Toronto ON M5C 2B6		Telephone No. 416-363-4376
Mining Division Patricia	Township/Area Caley Lake Metapesatakun Bay	M or G Plan No. G2117 G1975
Dates Work Performed From: January 29th, 1996		To: February 14th, 1996

### Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	
Physical Work, Including Drilling	Diamond Drilling (W20 - PDRILL)
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ ~~137,663.99~~ 121377

**Note:** The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

### Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Tom S. Jolliffe TSJ Consultants Ltd.	400 - 2 Toronto St., Toronto ON M5C 2B6
Langley Drilling	Brampton Ontario

(attach a schedule if necessary)

### Certification of Beneficial Interest \* See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date 05/27/96	Recorded Holder or Agent (Signature) 
--	------------------	--

### Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying Harry J. Hodge 400 - 2 Toronto St. Toronto On M5C 2B6		
Telephone No. 416-363-4376	Date May 27th, 1996	Certified By (Signature) 

### For Office Use Only

Total Value Cr. Recorded \$ 121377	Date Recorded 96 MAY 29	Mining Recorder 	Received Stamp 
	Deemed Approval Date _____	Date Approved 96 MAY 29	
	Date Notice for Amendments Sent 96 JUN 25 Not of Def		



REPORT OF WORK CONDUCTED-Koval

PROPERTY	WORKRPTNUMBE	CLAIM	No.ClmUnits	VALOFASSESSMT	VALUEAPPLIED	VALUEASSIGNED	RESERVEWORK
oval/Joval		14352		Patented			
oval/Joval		14353		Patented			
oval/Joval		14354		Patented			
oval/Joval		14355		Patented			
oval/Joval		14356		Patented			
oval/Joval		14357		Patented			
oval/Joval		14358		Patented			
oval/Joval		14359		Patented	<del>16942.00</del> 15778	12000.00	<del>4942.00</del> 3778
oval/Joval		14360		Patented			
oval/Joval		14361		Patented			
oval/Joval		14362		Patented			
oval/Joval		14363		Patented			
oval/Joval		14364		Patented			
oval/Joval		14365		Patented			
oval/Joval		14366		Patented			
oval/Joval		14367		Patented			
oval/Joval		14368		Patented			
oval/Joval		14369		Patented	<del>55554.00</del> 48551	12000.00	<del>43554.00</del> 36551
oval/Joval		14370		Patented			
oval/Joval		14371		Patented			
oval/Joval		14372		Patented	<del>38665.00</del> 33986	12000.00	<del>26665.00</del> 21986
oval/Joval		14373		Patented			
oval/Joval		14374		Patented			
oval/Joval		14375		Patented			
oval/Joval		14376		Patented			
oval/Joval		14377		Patented			
oval/Joval		14380		Patented	<del>26502.00</del> 23062	4400.00	<del>22102.00</del> 18662
oval/Joval		14381		Patented			
oval/Joval		1147839	1		800		
oval/Joval		1147840	1		800		
oval/Joval		1147847	1		800		
oval/Joval		1147848	1		800		
oval/Joval		1153473	1		800		
oval/Joval		1153474	1		800		
oval/Joval		1153475	1		800		
oval/Joval		1153476	1		800		

RECORDED  
 INDEXED  
 DIVISION

06 MAY 23 All : 10

PROPERTY	WORKRPTNUMBE	CLAIM	No.ClmUnits	VALOFASSESSMT	VALUEAPPLIED	VALUEASSIGNED	RESERVEWORK
o	val/Jo	1153477	1		800		
o	val/Jo	1153479	1		800		
o	val/Jo	1153480	1		800		
o	val/Jo	1153481	1		800		
o	val/Jo	1153482	1		800		
o	val/Jo	1153483	1		800		
o	val/Jo	1153484	1		800		
o	val/Jo	1153485	1		800		
o	val/Jo	1153486	1		800		
o	val/Jo	1153487	1		800		
o	val/Jo	1153488	1		800		
o	val/Jo	1153489	1		800		
o	val/Jo	1153490	1		800		
o	val/Jo	1153491	1		800		
o	val/Jo	1153492	1		800		
o	val/Jo	1162901	5		2000		
o	val/Jo	1162902	9		3600		
o	val/Jo	1162903	15		6000		
o	val/Jo	1162904	12		4800		
o	val/Jo	1164559	1		800		
o	val/Jo	1164562	1		800		
o	val/Jo	1164563	1		800		
o	val/Jo	1164564	1		800		
o	val/Jo	1164583	1		800		
o	val/Jo	1164584	1		800		
o	val/Jo	1164593	1		800		
-----							
tal for Kov 0			71	<del>137663.</del>	40400	40400.	<del>97263.</del>
unt for Kov	62						
-----							
tal for Rep 0			71	<del>137663.</del>	# 40400	# 40400.	<del>97263.</del>
=====							

(99)  
units  
(includes  
patents)

# 121377

# 80977

REC'D  
CALIFORNIA  
LAB DIVISION

35 MAY 23 All : 10



Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des mines

**Statement of Costs  
for Assessment Credit**

**État des coûts aux fins  
du crédit d'évaluation**

**Mining Act/Loi sur les mines**

Transaction No./N° de transaction

96-50

Personal information collected on this form is obtained under the authority of the **Mining Act**. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la **Loi sur les mines** et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

**1. Direct Costs/Coûts directs**

Type	Description	Amount Montant	Totals Total global
Wages Salaires  (H3H)	Labour (Recording) Main-d'oeuvre	5680	
	Field Supervision Supervision sur le terrain	3800	9480
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type Drilling (Langley)	90952	
	TST	12800	
			108708
Supplies Used Fournitures utilisées	Type ASSAYS	4956	
	FIELD	615	
	OTHER	86	
			701
Equipment Rental Location de matériel	Type		
<b>Total Direct Costs Total des coûts directs</b>			<b>118889</b>

**2. Indirect Costs/Coûts indirects**

\*\* Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.  
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Courier	68	
	Travel	1612	
			1680
Food and Lodging Nourriture et hébergement	Food	235	
	Accommodation	573	808
Mobilization and Demobilization Mobilisation et démobilisation			
<b>Sub Total of Indirect Costs Total partiel des coûts indirects</b>			<b>2488</b>
<b>Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)</b>			<b>(2488)</b>
<b>Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)</b>			<b>121377</b>
<b>Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)</b>			

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

**Filing Discounts**

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

**Remises pour dépôt**

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
	x 0,50 =

**Certification Verifying Statement of Costs**

I hereby certify:  
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Recorded Holder I am authorized  
(Recorded Holder, Agent, Position in Company)

to make this certification

**Attestation de l'état des coûts**

J'atteste par la présente :  
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de \_\_\_\_\_ je suis autorisé  
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature \_\_\_\_\_ Date June 18/96

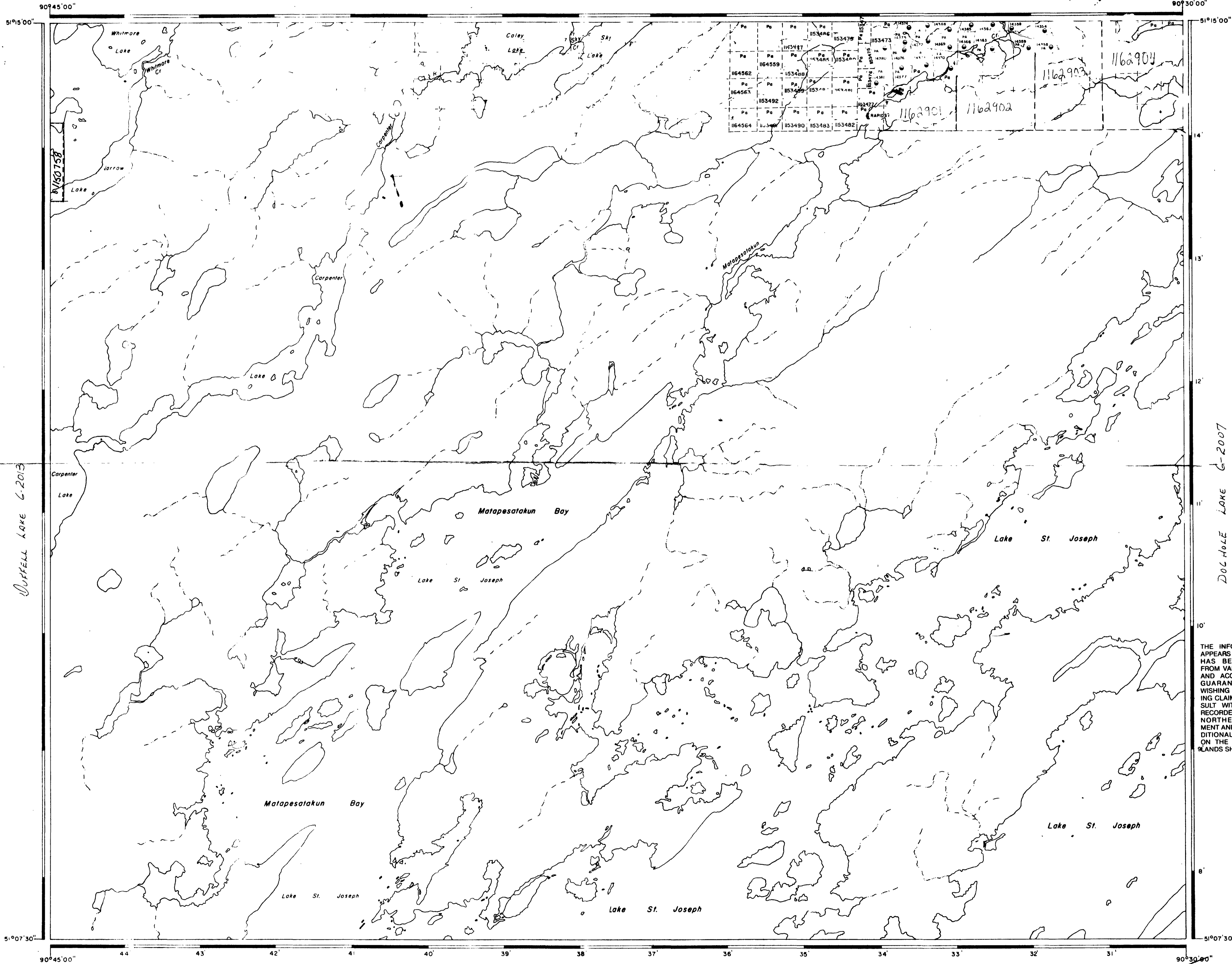




Sept 2, 1987  
 July 27/80 C  
 July 27/80 R  
 Sept 14/80 C  
 Oct 29/80  
 Oct 30/80 C  
 Nov 18/81 C

Apr 11/85 C  
 June 28/85 R

CALEY LAKE G-1975



DUFFELL LAKE G-2013

DOL HOLE LAKE G-2007

CARLING ISLAND G-1982

**LEGEND**

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:  
 TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:  
 LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

**DISPOSITION OF CROWN LANDS**

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	○
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	■
" MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	○

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 280, SEC. 62, SUBSEC. 1

**REFERENCES**

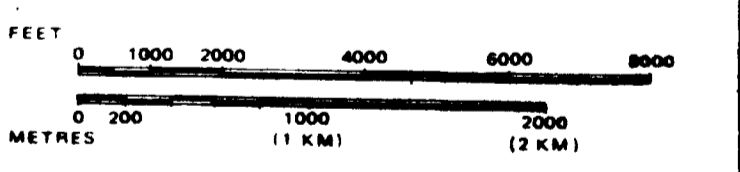
**AREAS WITHDRAWN FROM DISPOSITION**

- M.R.O. - MINING RIGHTS ONLY
  - S.R.O. - SURFACE RIGHTS ONLY
  - M. & S. - MINING AND SURFACE RIGHTS
- | Description | Order No. | Date | Disposition | File |
|-------------|-----------|------|-------------|------|
|             |           |      |             |      |

**FLOODING**

Flooding rights to contour 1230' on Lake St. Joseph to Ontario Hydro L.O. 8652 PLAN Y41-9 Files 99322, 92343

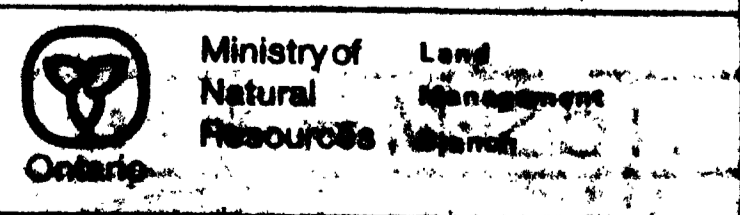
**SCALE: 1 INCH = 40 CHAINS**



THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

**AREA MATAPESATAKUN BAY (LAKE ST. JOSEPH)**

M.N.R. ADMINISTRATIVE DISTRICT  
**SIoux LOOKOUT**  
 MINING DIVISION  
**PATRICIA**  
 LAND TITLES / REGISTRY DIVISION  
**KENORA (PATRICIA PORTION)**



Date: FEBRUARY 1984  
**G-2117**

MINING RECORDER  
 PATRICIA  
 MINING DIVISION  
 96 SEP 19 4 9 : 24



